BIRD NOTES

AVIARY BIRDS

SAN FRANCISCO BAY REGION

1904 — 1911

EDWARD W. GIFFORD

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Alameda Aviary Notes.

Edward Winslow Gifford

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Columba livia. (Domestic Pigeon.)

April 12, 1908.

Bought two, a male and a female from Mr. Bausch. Cost $.25. Placed them in large aviary with Barbary Turtle Doves and Mourning Doves. Nos. 26 and 27.

April 14, 1908.

This pair ousted a pair of my Barbary Turtle Doves from a box they had chosen for a nest.

May 1, 1908.

I placed this pair of birds in the summer house as they are too pugnacious to be allowed with doves.

May 31, 1908.

The pair in the summerhouse have one egg.

June 14, 1908.

Since May 31 the eggs have been broken by the birds. They have, however, taken up a new and larger box which I have placed in the summer house.

June 20, 1908.

This morning I removed two eggs from the nest and placed two eggs of Columba fasciata in it. The hen took kindly to them.

Columba livia. (Domestic Pigeon.

June 22, 1908.

The two Band-tailed Pigeon eggs were broken by the female, No. 27.

July 19, 1908.

I noted an egg shell on the bottom of the summer house to-day, so apparently at least one egg of this species has hatched.

Aug. 4, 1908.

This pair has been sitting on a pair of eggs for three or four days, although their squabs have not yet left the nest.

Zenaidura caroliniensis. (Mourning Dove.)

Feb. 15, 1908.

Bought two of A. C. Robison and Co. These I placed in a small summer house. Said to be male and female respectively. Cost $2.50. Nos. 20021

Mar. 1, 1908.

The hen, which was minus a tail when bought, now has one about an inch long. The growth is very fast, a change being seen most every day.

Mar. 4, 1908.

The cock bird often flies down to the floor of the summer house, where they are confined, and runs about for a minute or so and then flies back to the perch. During the past three or four days an occasional short staccato "kuk" has been heard, apparently from the male, which I take to be the larger of the two birds. Food: Equal proportions of wheat, dried bread crumbs, yellow cornmeal, and mixed bird seed mixed together. I gave them no fresh water this morning, although I usually do so.

March 13, 1908.

Zenaidura caroliniensis. (Mourning Dove.)

The day before yesterday one was heard cooing, making a very mournful cry. To-day my mother reports that one cooed considerably this afternoon.

Mar. 17, 1908.

One of the birds coos considerably every day, being particularly in evidence in the early morning. No signs whatever of a nest. Both birds sit around all day, occasionally getting on the ground. The female likes to lie in the sun. When on the ground the male often runs about rather wildly while the female is eating.

April 12, 1908.

I placed these two birds in the large aviary to-day with the rest of my birds. They seemed quite delighted feeding in the short grass as did also the Barbary Turtle Doves.

April 19, 1908.

To-day I heard the smaller of the two birds coo. It was the one I had thought was a female.

May 25, 1908.

Coo often in the middle of the night, especially in moonlight.

Zenaidura carolinensis (Mourning Dove.)

June 5, 1908.

This evening about 8 o'clock I saw the two males (20 and 21) fighting with each other on a perch on which they are accustomed to roost. They were pecking at each other and clapping with their wings. I have noted this before in the evening. They still continue to coo. Both are in beautiful plumage now.

June 16, 1908.

Bought two, numbers 72 and 73, of Robison Bros. Cost $2.00

June 20, 1908.

One of the new doves is a female and seems to have taken a fancy to one of the males. It was most amusing to see the way the little female flutters her wings and follows the male about. Occasionally he will chase, only stopping to coo when very close and that very seldom. The two old males pursue each other with great viciousness.

June 24, 1908.

The two new females have mated with the two males (20 and 21). One pair has a nest on the top of the box in

Zenaidura carolinensis. (Mourning Dove.)

the peach tree. It is merely a few sticks and straws. One egg was laid yesterday. The other pair have a nest on a shingle nailed on the beam of the board fence. The males did all the carrying in both cases. The females usually sitting on or near the nest. When choosing the nesting site the male would go to a likely place and squat down raising the tail and lowering the head. They then give a very short coo which seems to amount to just one note of the many given in the usual call, gently ~~flap~~ shaking the wing meanwhile. The females seem very gently and bowing to their mates. The males are very savage, carrying on a running fight most of the time, although sometimes standing their ground. They even attack the Barbary Turtle Doves.

June 28, 1908.

The pair which started to nest on the box in the peach tree had two eggs; one ~~was broken~~ rolled out; the other was deserted. They are now nesting in the lower part of the box on the post, but have no eggs; again the male (No. 24) is carrying all the material, sticks and straws. The pair nesting on the shingle on the fence had one egg this morning, later a second was laid; the male is No. 20; the female is No. 72.

July 12, 1908.

Zenaidura carolinensis. (Mourning Dove.)

Nos. 20 and 72 now have one young one, hatched this morning.

July 14, 1908

No. 20 died to-day after having been ill a week or more. I noticed that its excrement for the last twenty-four hours has been green. For the last day or so it has stayed for the most part on the ground. The other male, No. 21, has not been seen to molest it while in this condition.

Both of the young are now hatched, and the female, No. 72, is taking fine care of them. It remains to be seen if she can raise them without her mate.

I do not know whether the eggs of Nos. 73 and 21 have hatched yet or not. The parents sit very close. The male seems to do very little sitting.

July 16, 1908.

At least one egg belonging to 21 and 73 is hatched as I found the shell on the ground this evening.

Last night I found one of the young of No. 72 lying on the roof of the wood-shed dead. It must have been attached to the mother's feathers and thus dragged there.

Zenaidura carolinensis.

July 22, 1908.

I found one of the young belonging to Nos. 21 and 73 dead in the nest. As it was putrid, I presume it has been dead a couple of days.

July 24, 1908.

When I approached the nest of No. 72 this morning the youngster flew off [illegible]. It is now No. 33.

July 26, 1908.

This morning No. 33 left the nest of its own volition. It got [illegible]

July 28, 1908.

To-day the young bird belonging to Nos. 21 and 73 left the nest. I have numbered it 34.

July 31, 1908.

No. 72 has an egg in nest on right fence. Doubtless No. 21 is the father. No. 72 has been trying to steal No. 21 from his mate. In fact he seems more attached to her than to his mate, No. 73.

August 1, 1908.

No. 72's egg was found on the ground broken this evening. No. 73 has an egg in the lower section of the box on the post.

Zenaidura carolinensis

July 2, 1908.
No. 72 now has another egg on her shingle on the fence.

Aug. 5, 1908.
No. 72 seems to have deserted her egg entirely.

Aug. 6, 1908.
Placed no. 72's egg under Streptopelia risoria, no. 31.

Aug. 14, 1908.
This evening I found an egg shell on the ground at the foot of the post. I do not know whether it belongs to the Mourning Doves or the Barbary Turtle Doves, as the eggs of both are due to hatch.

Melopelia leucoptera. (White-winged Dove.)

June 1, 1908.

I exchanged No. 24 (Streptopelia risoria) with Mrs. Chapman on Central Avenue for one of these birds (No. 92), which I was caught about a week ago when it entered her chicken-yard.

June 2, 1908.

When I returned home this evening the bird had been killed by a cat.

December 10, 1911.

To-day I saw an adult at very close range in an aviary in Golden Gate Park. It appeared to be in fresh plumage.

Streptopelia risoria. (Barbary Turtle Dove.)

March 26, 1908.

Bought two [illegible] from A. E. Robison and Co. These I placed in a new large aviary about twenty feet square. Cost $3.00. Nos. 22, 23, and 24.

March 29, 1908.

Both males began making love to the hen the day after I bought them, also copulating.

Apr. 12, 1908.

Fred L. Granville presented me with a female minus a tail and [illegible] clipped. Regardless of her grotesque appearance both males showed her attention, one in particular. No. 25 is [illegible].

April 15, 1908.

One of the birds dropped an egg while roosting last night on a perch three feet from the ground.

April 20, 1908.

This morning I found the tailless, flightless hen (No. 25), given me by Mr. Granville, dead in the summer house where I placed it last night as it appeared very weak. Its first mishap came just a week ago, when a cat pulled some of the skin and feathers off of its shoulder. Since then it has grown steadily weak and the other birds

2 Streptopelia risoria (Barbary Turtle Dove.)

have abused it continually, viz:- the large male domestic pigeon and the odd male of this species, the latter making love to it continually.

To day I purchased another female from A.C. Robison and Co. Cost $1.00. No. 28.

One pair seem to be nesting in a box on the front of the old chicken house, a bird sitting there quite steadily

April 21, 1908.

The birds in the box on the front of the chicken house have one egg.

April 30, 1908.

One of the birds with the egg has been injured, apparently by a cat. Its tail and the rump feathers having been pulled out and the flesh torn.

I have decided to exchange No. 28 as it seems to be a male.

May 1, 1908.

I returned no. 28 to A. C. Robison and Co. and received my dollar in exchange.

The birds with the eggs are 23 and 24.

May 7, 1908.

No. 22, a male, is assisting in the incubation of the eggs owned by 23 and 24 since one of them was injured. To-day he was chasing the Mourning Doves about quite persistently

Streptopelia risoria. (Barbary Turtle Dove).

May 11, 1908.

The birds finally have deserted the egg, which I broke and found infertile.

May 25, 1908.

I bought three from Robison Bros. to-day, nos. 29, 30, and 31. Occasionally I hear these birds crooing at night especially if it is moonlight. All coo, both males and females.

May 30, 1908.

I picked up an egg on the ground to-day and placed it in a nest. There are two birds incubating it now.

May 31, 1908.

I broke the egg, mentioned above, this morning. This afternoon I found the bird setting on a fresh egg. Another pair are nesting in a box on a post.

June 5, 1908.

No. 24, the bird I disposed of had the habit of sitting on the nest of nos. 22 and 23, although both often drove it away.

June 14, 1908.

Streptopelia risoria. (Barbary Turtle Dove.)

The birds nesting in the box on the wood shed, Nos. 22 and 23, have one egg, while the birds in the box on the east, Nos. 29 and 31, have three eggs.

June 20, 1908

Nos. 22 and 23 finally deserted their egg which was infertile.

Yesterday I found a youngster in the box on the post; today I found a second. The egg shells [illegible]

July 12, 1908.

All three of the young birds hatched in the box on the post have been reared successfully by the parents and are fly about, although they are quite often fed. The nest now contains at least three eggs; a second female must be laying in it. The three young are numbered 82, 83, and 380. They have now been out of the nest a week. By now the ends of the collar are just showing in two grayish spots.

July 22, 1908.

Sold Nos. 22, 82, 83, and 380 to Robison Bros. for $3.00

July 25, 1908.

Missing two young hatched in the nest on the post. This nest should be marked by Nos. 22 and 30, males, and Nos. 29 and 31, females.

Streptopelia risoria. (Barbary Turtle Dove.)

July 29, 1908.

This morning I found a young dead on the ground quite a ways from the post on which the nest is placed.

Aug. 2, 1908.

This morning I found another young dead on the ground. It had apparently been dead two or three days. On looking into the nest one I found two eggs in which (No. 21 was sitting. She would not (No. 22) move. Seemed to have control of the nest now, appearently driving (No. 1 and 31 from it. Yesterday when I removed the young one it was (No. 22 and 30, but I did not observe the fighting recently, 22 having been victor.

Aug. 5 1908.

Nos. 30 and 31 have one egg in the box on the east side of the chicken house.

Aug. 8, 1908.

At noon to-day the two male Streptopelia risoria, ~~the~~ male Columbia livia, and the male ferantique columbia were each respectively on their nests having relieved the females. I found another dead young one in the ground, so apparently there were three hatched.

Streptopelia risoria.

August 18, 1908.

This evening I found No. 22 dead on the ground near the water pan. It appears to me that it died of apoplexy (?) from over-fatness.

Sept. 19, 1908.

A pair of this species ~~are~~ is building a nest in the main cage on the west side. They are Nos. 30 and 31.

It is amusing to see one of a pair of young birds, [illegible] trying to imitate the cooing just as the old birds do. However, I could hear no [illegible].

~~Sept.~~ Oct. 21, 1908.

Nos. 30 and 31 hatched their eggs in this time. Today or yesterday I found one dead in the nest, and the other [illegible] the roof of the wood shed, apparently having grown to the feathered [illegible] stage.

December 10, 1911.

One apparent adult which I examined very closely at the aviary at Golden Gate Park to day, showed new feathers just appearing in the sides of the head. I noticed an occasional horn feather among the wing coverts.

Turtopelia humilis. Dwarf Turtle Dove.

August 20, 1908

Yesterday I purchased [illegible] pair of these and to-day six from Robison Bros. for the sum of $25.00. They are numbers 37, 50, 51, 52, 57, 58, 63, 64, 67, 87.

August 23, 1908.

This morning I found No. 64 dead on the ground.

August 24, 1908

I got another bird from Robison Bros, No. 42.

Spilopelia tigrina. (Tigrine Turtle Dove.)

June 16, 1908.
Bought six from Robison Bros.; numbers 74 to 79. Cost $15.00.

June 18, 1908.
Exchanged nos. 74 and 77 for nos. 80 and 81. No. 74 was lame and no. 77 seemed to have a case of wryneck.

June 24, 1908.
I found No. 75 dead on the roof of the wood shed yesterday morning. These birds keep together most of the time and are somewhat wary.

July 12, 1908.
These birds have gotten into better plumage during my absence in the east, but still show no signs of nesting.

July 16, 1908.
The folks have reported hearing this species coo. This evening I heard it. The call was low and rather sweet, and the notes are given quite rapidly. I have noted a couple pursuing each other about the aviary; probably they are two males.

July 18, 1908.
I observed a pair copulating this evening. They did quite a bit of cooing about each

Spilotes tigrina

Aug. 22, 08.

To day purchased five more of this species from Robinson Bros. for $12.50. They are numbers 69, 70, 84, 85, and 86.

Geopelia striata. (Barred Dove.)

July 7, 1908.
Purchased four from a dealer in Congo.

July 12, 1908.
Arrived home safely with all four of the birds.

July 18, 1908.
This species now coos or rather calls. The preliminary note is like the creaking of a gate. This is followed by several whistles given in quick succession.

Chalcophaps indica. Green-winged Dove.

August 20, 1908.

Holiday purchased this and to-day eight of these for $40.00 from Robison Bros. They are numbers 53, 54, 55, 56, 65, 66, 68, 71, 88, and 90.

August 22, 1908.

This morning found No. 66, apparently a male, dead. Dissected another bird, no. 2, a female, from Mr. Robison to take the place of the dead bird.

Arenaria interpres.

January 30, 1911.

The Turnstone which I have had since last May is in very worn plumage, although several fresh scapulars have appeared on its back. When I first obtained it, it was in very high plumage. The food supplied has been chiefly mush, bread, beans, etc.

February 5, 1911.

In hunting about for food the turnstone bears a superficial resemblance to a dove. It is a very busy little body, turning over small stones & putting the end of its bill underthem and lifting. The same method is followed in digging in ground.

Feb. 19, 1911.

In spite of the cold weather, the bird is moulting very rapidly without any marked change in the markings and the pectoral band of black being deepened up by whitish.

March 30, 1911.

Not much change noticeable in Turnstone. Have fresh primaries. Calls occasionally now.

April 23, 1911

Very backward in moulting. Traces of red feathers showing in back.

Arenaria interpres.

May 6, 1911.

Both in fine high plumage. Female is colorless. Shows how backward No. 1 is in moulting. No. 1 retains its winter plumage still, although [illegible]

August 13, 1911.

The two Turnstones are becoming rather faded although neither appears to have moulted yet. No. 1 did not attain the usual high plumage, while No. 2 was in the very height of plumage when taken. Both eat considerable wheat and bread.

October 29, 1911.

No. 1 is still in winter plumage with yellow legs. Cannot tell whether the Baltimore bird or no. No. 2 is in worn high plumage with red legs. No. 1 never attained high plumage, shifting that plumage altogether; appears to be in perfect health.

November 20, 1911.

No. 1 appears to show some dusky spots in plumage on the interscapular region.

No. 2 shows no sign of moult, but is in worn high plumage.

Squatarola helvetica.

January 30, 1911.

The plover which I obtained last May in light plumage is now in a mixed plumage, still showing considerable black in the underparts. Its food has been the same as that of the turnstone, quite from worms, etc. which they pick out very cautiously.

February 5, 1911.

The plover is evidently moulting slowly and I think the most of the winter - plumage back feathers, though there are a good many black feathers in his under parts. In hunting worms the plover runs up suddenly with head down, and then makes a very quick jab, with his bill, into the ground. When he gets the end of a worm he keeps up a steady strain until it worms is pulled out

February 12, 1911.

Black feathers in the underparts of the breast are becoming scarce.

Feb. 14, 1911.

In practically full winter plumage. Marks "chick and dash." New primaries have the appearance of the unfeathered wing; look very black contrasted to old ones.

Aquatarola borbetica

March 14, 1911.

The number of black feathers on the under parts increasing. Dark feathers are appearing the lighter gray ones at the back.

March 21, 1911.

The plumage is gradually becoming darker. Calls more frequently.

April 7, 1911.

The plover is becoming very handsome with his nearly immaculate black underparts.

April 25, 1911.

Gray feathers on back still appearing in black and white tips.

May 3, 1911.

Fine high plumage and calling well.

August 13, 1911.

Not moulting yet.

Calidris arenaria.

August 13, 1911.

During the first week of May I brought home four wounded sandlings, two of which died during, when I tried bringing to room dirt. It [illegible] very friendly [illegible]. When [illegible] out to feed the chickens, the wandering always [illegible] edge of the aviary and utters a plaintive little whistle, begging for food.

A few of the pale gray feathers of the winter plumage are beginning to appear among the scapulars and interscapulars.

October 29, 1911.

The winter plumage seems to be coming along faster than at last writing. Bird ate a good many insects and worms to-day.

November 19, 1911.

I think that the pale gray feathers are becoming more numerous on the back. Very tame, eating from hand. Whenever anyone approaches the aviary, the [illegible] sets up a shout for food.

Ex galericulata.

Changes in Plumage.

On May 25, 1908, I purchased a pair from Reiche Bros. Apparently they were adult and in breeding plumage. Both had their wings clipped and could not fly.

About July both began moulting. The plumage [illegible] of the female didn't change. That of the male did, however; first it lost his two long curled wing feathers; the bright feathers of the head and neck were exchanged for plain gray feathers; the breast became mottled like that of the female, while his flank feathers were replaced by much smaller ones like those of the female. His primaries began growing, as did also those of his mate.

Sometime about the first of September, he began showing signs of another change. The short curled ornamental feathers of the wings began to show again. The gray feathers on his head began to disappear gradually, while right down the middle of his head a broad bald spot suddenly appeared; twenty-four hours later there was here a broad purple line which developed day by day into fine new feathers. On his neck red feathers began to show up among the gray, and dark reddish-brown feathers began to replace the mottled ones of his breast. Gradually he gained his full dress, the last feathers to appear being the ornamental flank feathers. The female also gained

at the present writing, October 21, 1908, both have in brightest feather of any time of the year; white tinsel-like feathers of the head

3, 1909.
During

Jan. 22, 1909.
shown on the drake. First appear over a week ago.

March 18, 1909.
Both male and female are now in perfect feather.

May 15, 1909.
No sign of any change in plumage yet.

June 17, 1909.
Both birds look worn and shabby, and this morning I noticed one of the drake's flank feathers on the water.

June 18, 1909.
I noted to-night that the drake has lost one of the two black and white feathers on the back in front of the wing fans.

Aex galericulata

Putting of Bird in Water.

November 5, 1908.

While the birds, Billy and Lady, were standing [illegible] I caught hold of Lady and put her in the water. Billy moving after he had the bath I would hold him in the water as it would appear that he did not like it, and would splash himself with water, as if to say "Let me out this time." Now that the bird has moulted I would not put him in again, nails in the water, although there are plenty lying around.

June 19, 1909.

This evening the drake had lost a number of white feathers from each side of his head just behind the eyes. He is a very disreputable looking bird now.

June 20, 1909.

A wing fan from the drake was lost since I saw him last night.

June 20, 1909.

The Mandarin Drakes in Golden Gate Park are in various stages of moult, none, however, are further along than mine.

Aix galericulata.

June 27, 1909.
The drake now looks very dilapidated, and has moulted most of the ornamental feathers ~~from~~ on his head. The rectrices and primaries of both male and female look very worn.

June 29, 1909.
The drake has moulted all of the ornamental feathers on his head and neck except a few around the base of the bill and the last pair of his brown-colored flank feathers, nor the wine-colored feathers of his breast yet.

July 4, 1909.
The new gray feathers with the white eye ring and stripe behind eye are appearing on the drake Mandarin. A few of the old red feathers ~~appear~~ remain on each ear, however. The new flank feathers are beginning to appear, although the old ones have not moulted. The black and white shoulder stripes are disappearing, and in place of the red breast, the spotted feathers like those of the female are beginning to appear. The female shows no loss of feathers so far.

Aix galericulata.

Pugnacity.

Jan. 3, 1909.

I have placed several ducks, Mallard, Pintail, and Green-winged Teal, in the yard previously occupied by the pair of Mandarin Ducks exclusively. These latter show great pugnacity, attacking even the Mallard. They seize the intruders with the mouth, ruffling them by the feathers of the neck or back and hanging on with great tenacity. The Green-winged Teal and the female Pintail appear afraid of them.

March 18, 1909.

Both Mandarins seem to delight in chasing chasing the Green-winged Teal and the Shoveller which I have in their yard. The female's head and neck resemble that of a snake and she rapidly darts her head at them opening her mouth wide at the same time. When chasing the birds the drake often makes a rather pleasant sweet Twittering.

July 18, 1909.

The female Mandarin is not in fresh plumage yet. The male however is in the eclipse plumage and greatly resembles the female except that his plumage is fresh and brighter, his bill is about the color of the female's; at other times it is reddish.

Aix galericulata.

July 25, 1909.

The two females which I purchased a week ago are both worn and dilapidated. They have made themselves quite at home.

The drake, William, is now in fresh plumage except for his right feather and rectrices. (?) the rest of the new one. He is not in the least demonstrative as to his fine plumage, nor does he show off at all or call.

August 1, 1909.

The drake Mandarin has lost the primaries from one wing. On his shoulders there still remains traces of the double bars, - they are in the form of black and white feathers, black predominating.

August 8, 1909.

The drake Mandarin has lost the primaries from both wings. The new ones are just appearing.

August 29, 1909.

All four of the Mandarins are getting new primaries. The drake can now fly again.

September 19, 1909.

The drake has become almost bald-headed, a broad streak of purple feathers with white borders are just appearing ~~on~~ on the

Aix galericulata.

~~Mating.~~

March 18, 1909.

During the past three weeks or month the pair of Mandarin Ducks have been seen copulating three times, doing this in the pond, the female being almost submerged. Very often when both birds are in the pond I have observed the female stretch her neck out flat in the water, and it now occurs to me that this was very likely an invitation to the male.

The drake now seems very proud of his fine plumage, showing off a good deal. He delights in sitting on the edge of the board, sticking his bill in the water and apparently making a swift discharge of air through it, whistling at the same time ~~acting~~ lifting his crest. He also very often sticks his bill in the water, and then sticks it quickly under the wing from above, making the water bound, apparently caused by the quick expulsion of air. The crest is also raised at this time. He also whistles ~~when on the ground~~ in another way, merely standing very erect, and pressing his bill against his neck, ~~stretching~~ lifting his crest at the same time.

March 25, 1909.

Aix galericulata.

submerged all but

. As above described the female first stretched her neck out in the water and became very rigid so that she could be turned or moved at the will of the male.

April 14, 1909.

The drake has a pleasing low whimpering call which he occasional makes with no apparent movement of the head accompanying it. When I have caught him he makes this sound, apparently then in fear.

May 15, 1909.

When becoming aroused ? and just before attacking the drake, the drake stands very erect throwing his head back and emitting a number of short quick, though rather sweet, notes in rapid succession.

September 19, 1909.

tip of his head. He has also lost a patch of feathers as big as a "quarter" on the hind part of each cheek. His bill is ~~very~~ red now and at the base of the culmen a few gray feathers still remain. Nearly all of the flank feathers are moulted.

Aix galericulata.

March 18, 1909.

For several months past these birds have shown considerable desire to get away along about dusk, making quite a clucking, running back and forth along the edge of the pond, and occasionally flying against the wire.

Billy and Lily delight in bathing. It is then that the crest is put to practical use, for it when the bird ducks its head the crest catches the water and throws it over the back when the head is raised. They often both will dive under the surface and swim around the pond, suddenly to emerge and ~~fly~~ scoot off wildly to the other end of the yard, and perhaps they will repeat the performance. They do this particularly when the water is fresh.

These ducks as well as the Green-winged Teal lie in the shade on sunny days.

September 19, 1909.

It is strange that they moult, in both cases, at one time. Noticed this last year.

September 26, 1909.

The drake Mandarin shows new flank feathers. The

Aix galericulata.

double bars on the shoulders have appeared again. Dark wine-red feathers are taking the place of the striped feathers on the ~~cover~~ upper part of the ~~neck~~ breast, those ~~on the~~ higher up, apparently being last to go. He has gotten all the colors down the center of his head, and the white on each side is now very distinct. The red whiskers are beginning to appear. The ~~lower~~ neck just below the head is destitute of feathers (except down).

October 3, 1909.

The drake has attained his full coloring now, including wing fans, although the feathers have not attained their full ~~length~~ growth. Two of the females ~~are losing~~ have lost patches of feathers on the sides of their heads and necks just as the drake did.

Nov. 7, 1909.

The females have been doing considerable calling. They are also quite quarrelsome. "Williams" mate is very jealous if he sees two ducks. All four are quite pugnacious now, and chase some of the other ducks about. "William" is very proud and "trumpets" about in grand style, throwing his head a way back when "showing off" and "spitting".

Aix galericulata.

November 19, 1909.

This morning I saw the drake and one of the ducks copulating in the water.

~~December~~ January 26, 1910.

The drake Mandarin is seen copulating quite frequently.

Until the drake used in the colored figure last year, I secured two additional females. When all four of the birds moulted into their summer plumage, the drake accepted one of the new birds as his mate in preference to his old mate. All three of the females exhibited a great deal of jealousy over him. The second female was the second mate died; she was slightly the larger of the three females. [illegible] had been dead two years, his female resigned that she was again "the" [illegible] is very jealous and [illegible] the other female whenever she comes near her or the nest. When the male drakes are on a perch, she seems to urge [illegible] to drive the [illegible] also. The females use a way of making a low, darting, [illegible] movement with the head and neck, at the same time opening the bill wide. This is done when they are jealous of the approach

Aix galericulata.

[illegible] female to mate the second drake.

January 30, 1911.

The original pair of Mandarins are in high plumage and have been so for some time. A second pair which I bought some time ago are also in high plumage although cageworn.

February 19, 1911

Both pairs of Mandarins are in high plumage and each jealous of the other. It is ridiculous to see each of the drakes, on opposite sides of the pond or on the same side, swell up and make their lisping bubbling calls as they show off. They lean back so far that they look as though they would fall over backwards. The first drake with [illegible] and [illegible] the other drake, which he calls his "[illegible]" under his wing. The females exhibit considerable jealousy towards each other and [illegible] make out their mate, darting their heads at them when they come close. Often when a drake is showing off and making his whistling calls, he [illegible] with each [illegible] in the water, [illegible] in a [illegible] manner.

March 14, 1911.

The first drake does not show off as much now that I have gotten rid of the second pair.

Ex galericulata.

April 9, 1911.

Last night the female Mandarin, Duck No. 1, died, leaving me with a single drake. This morning I saw the drake having sexual intercourse with the female Wood Duck much to the annoyance of the male Wood Duck.

The bird (Lily) which died is No. 17919 C. A. S. Her ovaries were not much enlarged. She appeared to have died of fatty congestion of the heart, as that organ was swollen to about twice its natural size. The liver also appeared diseased.

June 11, 1911.

I noted several drake Mandarins in Golden Gate Park to-day. They looked very flashy but none were in eclipse plumage as yet

December 10, 1911.

Noted several fine-plumaged drakes in Golden Gate Park to-day.

Ex galericulata Duck No. 1 (Lily)

Obtained May 25, 1908 – Died April 8, 1911
Perfect; not pinioned
Mated to Drake No. 1 (Billy) from May 25, 1908.
No eggs layed - 1908, 1909, 1910
No. 17919 C.A.S.

Lampronessa sponsa

March 25, 1911.

Obtained pair by exchange from E. W. Barnes, Lacon, Illinois. Both are pinioned birds, but in good feather.

The drake has a very soft musical whistle which he utters when alarmed or concerned, also calling to his mate, Mandarins do. The crest is usually lifted slightly at the same time. The duck has a peculiar chirping sound, much more musical than that of the female Mandarin. She also has the habit of jerking her tail upward and also of throwing her head suddenly backward. The drake also carries his tail more elevated than the Mandarin.

April 9, 1911.

When excited the drake raises his tail. Once or twice observed the pair copulating, their actions being similar to those of the Mandarins. Several times they have been observed examining an old tree stump which I have in the yard, evidently with a view to nesting.

January 13, 1909.

January 17, 1909.

The adult ~~male~~ bird above has pink bill and pink feet and the feathers of the ~~face~~ head are tipped with yellow. The immature bird has gray feet and gray ~~bill~~ and white with considerable gray intermingled on back, back of neck, and head. The face about the bill has a yellowish tinge.

January 31, 1909.

It seems to me that the feet of the immature bird have a pinkish cast. White feathers are appearing among the gray ones of the back.

February 7, 1909.

When a gone is near, the big Snow Geese keep up a continual low harsh note. The voice of the young is squeaky and less rarely than the

February 22, 1909.

February 24 1909.

I received another immature Snow Goose to-day. It resembled the others more closely in adult plumage than the bird mentioned above. It is a very small bird. Its bill is nearly as bright as that of an adult, although a little duller about the base. The feet, however, are not as brightly colored.

March 13, 1909.

Of the two immature Snow Geese the one with the pink bill has white tail feathers, while the larger and younger one has dark centers and white edges to its tail feathers. A week or two ago both a young and an old Snow Goose were seen patting the ground with both feet to soften it and then digging into it with their bills; this was when the ground was quite damp.

Chen hyperborea.

March 17, 1909.

The last bird of this species which I received is a fine large adult. Despite its large size, the young Snow Geese first obtained and the white-fronted Geese kept it pretty well in the water as they got used to it. All three of the species of geese which I have kept have bred under similar conditions in this manner.

March 18, 1909.

To-day I received a fine full plumaged adult of this species; its bill and feet were of a bright orange color, bringing out the fact of its apparent maturity. Both on the face, breast, and feathers of the tibiæ were there a trace of the rust-orange color, which was so prominent on the face and tibiæ of the first adult bird I got.

In reading Audubon's account of the Canada Goose I find that that species has the habit of patting the ground with its feet after rains.

Some time ago I saw some of my Snow Geese turning somersaults in the water, their big feet waving in the air in a ridiculous manner.

Chen hyperboreus.

March 19, 1909.

Of the three adult Snow Geese which I have, the one which I first obtained, in January, has considerable rusty orange on its face and on the feathers on the throat. The second one obtained has a little on its face, while one received yesterday has none whatever on it. This last bird, however, at one time had a broken wing which has knitted, and it may be that it has lived a long while in Indeed County, from whence it came, thus not being able to have accompanied the birds to and from their northern homes where they apparently get this stain on their feathers.

Of the two young birds, the one first obtained in January appears to me to have lost some of the rusty orange color from its face. This is doubtless due to the fact that it is a moulting bird; it is continually losing its gray feathers in exchange for white ones. The second young one which I obtained recently was had ~~little~~ no orange color on its face. It also seems to be getting white feathers in place of gray ones. I pulled ~~a few many~~ a few gray feathers from these birds about the shoulders.

Chen hyperboreus.

March 22, 1909.

To-day I received an immature bird in a rather curious plumage; for instead of getting white feathers in the back ahead of those on the neck and head as many other immature ones have done, it was just the reverse. There were but few white feathers in the back and those were tertiaries, while the neck was white almost down to its base; the top of the head and the region in front of the eyes had a slight grayish beige stain. The bill and feet were practically as bright a pink as those of the adults. There was no rusty orange color on the bird.

All of the other Lesser Snow and White-fronted Geese had a whack at the newcomer, even the latest arrival, which was accepted four days ago, but the new bird was treated customary with all three of the others now here.

March 28, 1909.

Two immature Lesser Snow Geese not yet described are similar to the second one written about, having more or less gray on the neck and more or less white feathers in the gray areas of the back.

Chen hyperborea.

April 7, 1909

One of my eleven Snow Geese is adult in plumage save for a grayish shade on the face; its legs are a dark (miniature) coral; the bill is red like an adult's.

May 15, 1909.

On May 12 I shifted all of my geese away as they had become quite noisy, making an almost continual moaning and chattering, especially in the evenings and mornings. The Lesser and the White-fronted Geese are included in this statement.

All of my immature Chen hyperborea still show the same amount of gray.

Exanthemops rossi.

Dec. 26, 1908.

This evening I secured a fine adult specimen of this species.

Dec. 29, 1908.

The individual mentioned above, is very much [illegible] seems to realize that a person close to it but outside the wire netting cannot hurt it, while a person inside can. Two or three times, while examining a hole in the chicken house over which a wire piece of wire was nailed, the bird would take a strand of wire in its bill and pull, apparently testing its strength.

February 7, 1909.

One out of three of this species received yesterday showed signs of maturity. The feet were gray with a pinkish cast, the bill was not of as intense a color as that of a full adult, and there was a trace of gray on the front of the neck and quite a bit of gray in front of each eye. Another, a full adult had a very warty bill like the first one obtained. The third one

Exanthemops rossi.

apparently an adult had a comparatively smooth bare tip to the upper mandible.

March 13, 1909.

Some of the Ross's Geese keep up a low conversational chucking. One bird in particular, a small bird with an almost smooth bill, does considerable of this chucking, shaking its whole body at the time.

March 17, 1909.

The Ross's Geese have been very restless for the last three or four days, flying about and banging the wire (that is those that are not pinioned).

March 18, 1909.

Of the eight Ross's Geese which I now have, one has a whole very orange color on the feathers. So far as I can see, those of the birds with rough bills do any chucking.

March 21, 1909.

Of the eight Ross's Geese five have very warty bills and may prove to be males. I have heard and seen them make a low moaning sound. Three of ~~them~~ the birds have smooth bills, and two of these I have heard and seen chucking. The third is an immature bird; to-day I saw it

Eastern Meadowlark.

making a moaning sound though in a slightly higher key than that of the adults; this leads me to suspect that it may be a gander.

One, at least, of the birds gets up on one end of the chicken house very often now, and even the pinioned ones flap their wings a good deal while on the ground. All exhibit considerable restlessness, especially in the evening.

April 11, 1907.

One of the birds spends a great deal of its time on the roof of the shed. It likes to get out, hanging against the wire top of the aviary. When it hits the ground it utters a low moaning sound with mouth open. In coming down from the shed to feed it hesitates a good deal on the edge, apparently having a hard time to get in just the right position to fly.

Anser albifrons.

January 30, 1909.

To-day I received an adult of this species, with white face and black mottled belly.

[illegible]

January 21, 1909.

A few days ago I obtained a third specimen of this species, similar to the first and apparently a female.

March 13, 1909.

The sexes of this species, which I have there is a great variation in the amount of black on the belly, some having a great deal, and one only one or two spots.

March 18, 1909.

The clucking note uttered by this species is in a much higher pitch than those uttered by the Snow Geese and Ross's Geese.

Anser albifrons.

April 14, 1909.

To-day I obtained my eighth individual of this species. Like the others it was very savage, biting fiercely. Also exhibits the usual fear and tries to hide, remaining very quiet when anyone is near; this contrary to that the Snow and Ross's Geese do, when they are first turned loose. The other birds picks at it when it comes near, as usual

Branta canadensis.

March 26, 1909.

To-day I received one of the small cackling geese of this species. It had no white neck ring, and had but a faint longitudinal black stripe through the band of cream color on the cheeks and throat.

Anas boscas.

January 2, 1909.

Obtained a wing-tipped female in ... Take to be ordinary wild ...

December 6, 1909.

To-day a drake Mallard was received; it was in regular winter dress with green head, etc.

March 18, 1909.

Like my Mandarins, Pintails, and Green-winged Teals, my Mallards now appear in high feather. When I go to the yard the drake emits and occasionally quack of a rather soft and pleasing sound. The duck only utters her harsh quack when alarmed.

March 21, 1909.

It seems to me that the female is showing some mating tendency. Whenever she passes one of the Pintails she lowers her head to the side and bends low it, making a low sound. The action is very similar to that of the female Green-winged Teals already described.

April 14, 1909.

Duck Decoys.

April 12, 1909.

This evening I heard the Mallard drake uttering a loud, hard, quacking call - resembling somewhat that of the female green-winged Teals, but having a different quality of tone.

~~April~~ May 15, 1909.

Very few Mallard ducks now a week ago.

May 20, 1909.

I saw domestic Mallard drakes in Golden Gate Park. They were entering the eclipse plumage. Some had the green head thrown up with light-colored feathers, and one I noted had no green on the head whatever, but still retained the reddish breast.

December 10, 1911.

I saw a good many wild Mallards as well as a number of the domestic variety in a lake in Golden Gate Park. I noted a young one of the latter just beginning to assume the green head and black tail-coverts. Two drakes ~~ago~~ he showed neither.

Feb. 16, 1911.

Received a fine high-plumaged drake Gadwall.

April 16, 1911.

During the past few days the drake Gadwall, No. 1, has been heard to call. The note is rather [illegible] peculiar, unlike anything else. Only one note seems to be given at a time.

July 5, 1911.

The drake Gadwall is getting some of the dark feathers of the eclipse plumage in his back and sides.

July 27, 1911.

The drake Gadwall is changing quite rapidly although the feathers of the head and neck are not moulted yet.

August 21, 1911.

The flanks and back are now in eclipse, while the black tail coverts are rapidly giving way to those of the eclipse plumage.

October 29, 1911.

Passing from eclipse to high plumage.

Schanelasmus strepens.

Many [illegible] feathers on lower half of flanks.
New crescent-marked feathers many thick on throat
and lower neck. Unusual abundance of head
& neck moult for in a capitular region.
New black under and upper tail-coverts, although
tail is old and broken. New primaries, secondaries,
tertiaries, and many coverts.

November 19, 1911.

The light plumage now has the upper hand
and the only remains of the eclipse are in the
back, flanks, and tail coverts.

December 10, 1911.

There are still a few old feathers of the eclipse
plumage among the scapulars and interscapulars
and flanks and sides of rump. The tail feathers
still seem to be old, although many black tail-
coverts have replaced old ones.

December 17, 1911.

In same state as last Sunday, although a little
farther along.

Mareca americana.

June , 1909.

To-day I received a female of this species. Its extent of white on the top of the head was small.

March 15, 1911.

Some time ago I shot this bird to death, owing to its having lived in one eye and [illegible]

February 15, 1911.

[illegible] received to-day, one [illegible] showing much chestnut plumage, the color of [illegible] bird in plain but stronger. Evidently a female. Bird, evidently having been in captivity for a [illegible] time.

March 12, 1911.

Got a pair from State Game Farm. The drake, who has a broken toe, is moulting from a plumage like the female's to the full male plumage. New feathers are appearing in the breast and back, and the white wing patches also distinguish him from the others.

Mareca americana.

April 7, 1911

One of the females obtained from Mr. Beck on February 16 has gotten a good many dark feathers in its breast. It is the old faded out bird.

The feathers of the full plumage seem to be in the increase in the drake. The sperm is spotted with black feathers.

April 13, 1911.

All four of the Widgeon continue to get new feathers. The drake is increasing continually and I noted that he is getting more white feathers on his side just ahead of the base of the tail. The very shabby female (or young male) which I got from Beck has got a lot of new feathers which show particularly on the back, flanks, and breast. Both the drake and another female are getting new tail feathers. The new feathers over the flanks and breast, particularly the former, in the females have lighter-colored edges to the tips of the feathers.

April 16, 1911. The drake spends a great deal of time chasing a mate, the other two females remaining aloof. The drake has a distinctive grunting note resembling somewhat the notes of the Rock (California Quail). Two are now in another female succession.

April 23, 1911. Same remarks apply as made on April 13 and 16.

Mareca americana

July 27, 1911.

The drake has taken on the eclipse plumage to a considerable extent, notably in the back, flanks, and crissum.

Aug. 14, 1911.

The three female Widgeon look to be in fine fresh plumage except for lesser wing coverts.

The drake looks very much like the ducks now; a few of the characteristic drake feathers of the back still remain.

October 29, 1911.

2 [illegible] in [illegible] plumage [illegible] tails.

1 female - fresh plumage except primaries.

The male is in eclipse except for vermiculated feathers appearing in [illegible] and back and white feathers on sides of rump. New primaries, secondaries and tertiaries. No bald pate. No new tail or tail-coverts. I note in all the drakes that eclipse feathers show but little wear when moulted and do not look worn out like ♀ plumage feathers when they are moulted.

November 5, 1911.

The female mentioned above is now out of primaries; the [illegible] in their sheaths are just appearing.

Mareca americana.

December 10, 1911.

The drake seems to be getting new tail feathers. The "bald-pate" is beginning to show a little. Black under-tail-coverts seem to be apparently fully developed. The bird looks quite shabby as rough and extensive loss of feathers are taking place.

December 17, 1911.

Drake is a little farther along than last Sunday. Females in fine fresh feather, apparently having undergone at least a partial body moult.

Nettium formosum.

June 6, 909.

A friend in Napa, in Contra Costa County, has two ducks and a drake of this species. The drake does not appear to be changing in plumage yet, all three are more or less worn.

November 21, 1909.

My friend has one duck and one drake now; the duck was getting into fresh winter plumage and her primaries were just appearing. The drake was in the eclipse plumage, although a few vermiculated flank feathers are appearing; he had new primaries fully grown.

March 4, 1911.

Obtained two pairs from Robison Bros. All in high plumage, although very dirty and cage-worn. ~~One drake had several old eclipse feathers on his flanks; otherwise he was in high plumage.~~

March 14, 1911.

The Baikal Teal are all able to fly and are getting on very well.

March 24, 1911.

The Baikal Teal are in fine shape now and call considerably. The females have a very hoarse croaking quack.

Nettium formosum.

The males give a call which sounds like somebody working an old rusty hand pump over a well.

April 6, 1911

The females and males both call; that of the ~~male~~ being very harsh and raucous.

No sign of moult yet.

April 23, 1911.

Note in the two females that there are a few fine fresh looking feathers in the head and flanks among the old worn ones. The ~~two~~ three in the head in each of the ~~two~~ birds.

Nettium carolinense

On November 12, 1908, I obtained a drake of this species. November 16, 1908, I obtained a hen; both were wounded birds.

Dec. 7, 1908.

[illegible]

Dec. 13, 1908.

My stock of this species is now reduced to three, two drakes and one duck.

Dec. 25, 1908.

To-day I noted a drake on the edge of a pond lay down and become motionless upon hearing footsteps on a nearby board walk. He did not have time to get away so he took this means of protection. I have seen others of this species do this.

January 9, 1909.

To-day I received two fine high-plumaged [illegible] of this species both from Merced County.

February 28, 1909.

Both males and females now molt-

Chettura carolinense.

March 13, 1909.

The males whistle a great deal particularly at night, and they also appear a little quarrelsome. Aside from the harsh "saw-filing" call of the females, which is given chiefly at night, I have once or twice heard them make a low rattling noise. A couple of ~~days~~ mornings ago there was a drake in the pond and one of the two ducks on the edge. The second duck appeared and jumped into the water, and swinging the front of the body back and forth made this rattling noise.

March 18, 1909.

Like the Mandarins these birds seem to like to bathe a great deal, particularly the males.

March 21, 1909.

The females make the rattling noise quite often when on the ground, and accompany it with a lowering of the head.

April 14, 1909.

The birds all eat a good deal. When whistling the males hold the head in a horizontal position, raising and lowering it slightly, making ~~one~~ sort of a pumping movement.

Nettium carolinense

~~Sept.~~

Dec. 13, 1908.

The [illegible] drakes [illegible] of the species

The duck, also, seems to [illegible]

[illegible] in body color while the present
individuals do not have; [illegible] was due to immaturity

February 28, 1908.

Of the four drakes of this species which I now possess, two are in [illegible] feather. The other two are also, save for some of the feathers on the back and shoulders which are old.

March 13, 1909.

All four of my drakes now appear to be in perfect [illegible] feather.

May 15, 1909.

The drakes have a [illegible] call, more like the "peeping" of a chicken. When [illegible] is made the head is held [illegible] very close to the body, giving the bird a very humped-up appearance; the bill is tilted forwards slightly.

Pintail ducks.

May 21, 1909

The drakes occasionally act after the manner of the drake Mandarin, sitting in the water, stocking the bill in the water a short distance, and then ~~[illegible]~~ apparently expelling the breath. The act is done with much force as it apparently causes the bird to recoil a slight distance.

June 3, 1909.

A small female of this species, which I brought back with me on May 7 from Los Baños, is very dark-colored compared to the other two which I have, and is very shy and keeps in the undergrowth most of the time.

The heat lasting and excitement of the three females ~~[illegible]~~ picks at her feathers very often, and lies down picking at her feathers.

July 4, 1909.

The female teal Jacque shows quite a loss of feathers, especially about the head. The drakes seem to show no change so far.

July 18, 1909.

No change decided in the drake teal so far.

Nettion carolinense.

July 25, 1909.

Both of the drake teal show a few green feathers around the eye, making a narrow and almost complete ring around the eye except where the bordering anterior feathers touch it.

August 1, 1909.

On one drake teal the patch of new feathers has increased considerably, displacing the green feathers of the head stripe.

August 10, 1909.

The drake teal which is farthest advanced in the change plumage has considerable mottled feathers in place of the brown collar in front of the eye.

August 29, 1909.

The drake teal looks more dilapidated than ever, nearly all of the bright greenish and brownish feathers having disappeared from his head, giving place to grayish and whitish feathers. Barred feathers are beginning to take the place of the vermiculated ones of the flanks and shoulders. The other drake was dead this morning; he had not moulted. Arrested moult may have been instrumental in death.

Nettium carolinense.

September 19, 1909.

The drake now has a head and neck like the female. The black has disappearing on the sides, and the breast looks very much like that of the female.

October 19, 1909.

I visited Dr. Clark of the Alameda County Hospital. In his collection of live ducks I saw two drakes which had the green and brown heads but were barred on the sides like the females.

October 27, 1909.

My last drake has died to-day. It was in the the eclipse plumage, and I do not think it ever reached the most extreme stage it would have reached. A few red feathers were beginning to appear in the coat. E.W. Gifford No. 4005.

November 1, 1909.

The female which I have left has been in fine fresh plumage for sometime.

January 30, 1911.

The female drake has been in high plumage for some time.

Mallard Continued.

Feb. 16, 1911.

Secured another female; both are in good health.

March 12, 1911.

Obtained a pair from State Game Farm. Both in fine condition.

April 16, 1911.

The drake calls considerably in the evenings. He seems to stay with his original companion, female No. 29, while female No. 1 (Jaque) keeps very little [illegible] evening, preferring to be [illegible] pond.

October 29, 1911.

Drake in fresh plumage now. Females not yet full grown.

Dafila acuta.

Dec. 3, 1908.

~~A friend~~ I obtained a drake of this species with a broken leg. It was in full winter dress.

March 18, 1909.

The pair of birds of this species which I have now appear to be in very high plumage. The female is an uninjured bird and spends a good deal of her time on the roof of the old chicken house. Neither birds make a sound so far as I can observe.

June 4, 1909.

The female Sprig has lost some of her tail feathers and also other body feathers which do not show so much. The drake lost his spike-like pair of tail feathers a ~~long~~ some time ago; otherwise he shows no change.

July 18, 1909.

The other day I noted two or three dark feathers in under parts of the drake Sprig. The female is getting a good many fresh feathers.

August 1, 1909.

A few light feathers on the lower cheeks of the drake and a loss of white feathers on the neck at the base of the crown is the only

Dafila acuta.

August 17, 1909.

The drake pintail is losing more of the brown feathers of his head; they are being replaced by dirty buffy feathers. The gray feathers on his back continue to spread. Barred feathers are growing to replace the vermiculated feathers of the flanks.

August 29, 1909.

The whiteline along the edge of the brown of the head of the male is disappearing, causing the head and neck to look a uniform brown or rather gray as the brown feathers are also disappearing.

September 5, 1909.

I have lower part of the neck, the sides and the breast are taking on the appearance of the same parts in the females.

October 10, 1909.

At Dr. Clarke's to-day I saw three drakes in all stages of the eclipse plumage just as shown in our collection at the Academy.

October 27, 1909.

About a week ago the drake of pair died. His two long tail feathers had begun to appear although the rest of plumage showed little or no change.

Dafila acuta.

November 21, 1909.

The female Sprig has not shed her wing quills yet.

November 25, 1909.

The female Sprig has shed her primaries.

January 30, 1911.

The pair of Pintails are in fine plumage, the drake having just completed his moult (very late this year) all but a few old barred feathers on his back and several white feathers in his crissum.

February 12, 1911.

The drake Pintail seems to be in fine plumage; the crissum is black, the long tail feathers have grown. The female allows him to be billed around by the female

Feb. 19, 1911.

Drakes' "spike-tail" increasing in length

March 14, 1911.

The female does not seem to abuse the drake as much as usual. He shows off a little by arching his neck and making a sort of hiccough, very much as the Mandarin drake does.

Dajila acuta.

July 29, 1911.

The drake is getting a good many eclipse feathers in flanks, breast, and back. The brown of the head is still immaculate.

August 14, 1911.

The drake is changing still more, the brown of the head now being interrupted by pale sandy buff feathers. The neck, breast, flanks, and back are changing, and he has lost his long tail feathers.

The female is getting new scapulars and inter-scapulars, while the lesser wing coverts are all very worn still.

October 29, 1911.

Starting to leave eclipse plumage which was not [illegible] this year. Vermiculated feathers showing in flanks, scapulars. One or two black under-tail-coverts. Few brown feathers in one patch on throat. Otherwise in eclipse. No new primaries.

The female is in fairly [illegible] new primaries.

November 19, 1911.

[illegible] to be no perceptible change in the drake, although [illegible] increase.

December 10, 1911.

The new primaries are just appearing in the good wing. At this stage they seem to have no protection from coverts, but appear as fine quills, apparently pulpy. Aside from the appearance of more scattered brown on the throat there appeared to be no noticeable change in appearance of bird.

Querquedula cyanoptera.

May 2, 1909.
Acquired a fine drake Cinnamon Teal.

June 6, 1909.
The drake Cinnamon Teal now shows a few of the eclipse feathers in the upper part of his breast and and on his flanks. They are not solid cinnamon color like his present coat, but dusky tipped.

June 21, 1909.
The drake Cinnamon Teal shows no particular change since last written about.

July 4, 1909.
More spotted feathers are appearing in the drake Cinnamon Teal's sides and breast, and on close observation several can be seen in his head.

July 18, 1909.
The drake Cinnamon Teal continues to change. The under tail coverts are becoming mottled instead of black.

Querquedula cyanoptera.

July 25, 1909.
The drake Cinnamon Teal shows [illegible] around the base of the bill.

October 3, 1909.
The drake Cinnamon Teal is mottled nearly all over, except for the back, and also a patch on his abdomen where a fine lot of rich colored new cinnamon feathers have come in.

[illegible], 1909.
The drake Cinnamon Teal [illegible] tail coverts now are red in the center although those on the sides are still [illegible]. He shows some pale.

November 21, 1909.
Little or no change in the Cinnamon Teal; has not lost wing quills yet.

December 12, 1909.
Red feathers have been appearing in Cinnamon Teal's breast and sides and head. Change seems to be quickening a little. Still retains old primaries, however. For the last week new rectrices have been replacing the old ones, one or two at a time.

Querquedula cyanoptera

December 26, 1909.

The red feathers are quite rapidly replacing those of the eclipse plumage both in the sides and breast, while the head seems to have attained its full growth of red feathers. The bird has not completed his moult yet.

January 11, 1910.

The base of the upper mandible of the drake Cinnamon Teal has become black again like the remainder. During the eclipse plumage it became a horn color right at the base. Red feathers are rapidly replacing the barred ones of the flanks, and the bird is becoming exceedingly handsome.

January 23, 1910.

The mottled flanks feathers of the eclipse plumage are last disappearing. The wing quills have not yet been moulted, however.

February 15, 1910.

The mottled feathers on the sides have given place entirely to red feathers, and the bird appears to be in high plumage, except for the upper tail coverts and an occasional spot on the underparts. The wing quills have not been moulted yet.

January 30, 1911.

The drake Cinnamon Teal has just completed his moult and is in high plumage.

Feb. 19, 1911.

Got a female on Feb. 13 by trading female Mexican. The male and female became very chummy right off. The female is very jealous and warns off any birds who approach her mate by bobbing her head up and down and clucking. She particularly objects to the female Pintail [illegible]

Feb. 26, 1911.

Have noted Cinnamon Teals copulating three times during week. For a moment afterwards the male assumes a statuesque pose with necked arched and elevated and with bill pointing almost perpendicularly downwards towards the water. Afterwards both "rate".

March 14, 1911.

I have noted the Cinnamon Teal copulating about five times since last mentioned. No signs of nesting yet.

April 9, 1911.

Sexual intercourse observed occasionally. Seem to be thinking of nesting as I saw the drake come out & included box the other day. He also drove other birds from the vicinity.

April 26, 1911.

For several days past the Cinnamon Teal have been looking about in mating boxes and nesting, etc. apparently in search of a nesting site. Two of these boxes over the female ponds contained eggs. Placed for the Wood Ducks. The bottom of the nest cavity was about 4 feet below the entrance.

Spatula clypeata.

January 29, 1904.
Received two females of this species.

March 15, 1904.
The female shoveller, which still remains alive, is in worn plumage, and does not partake of the beautiful feathering which the rest of my ducks now have.

May 5, 1904.
Six years ago I received from a friend a pair of these ducks. Both birds were in bright plumage.

June 3, 1904.
The drake shoveller has some dark feathers coming in the middle of the breast which is white. Otherwise he is in full plumage.
Of the two females, the first one is in very worn plumage, while the second one looks fine and fresh in comparison. It must be a case of a moult with the first bird which is called "Edna."

June 21, 1904.

Shoveller Ducks.

The drake still remains about the same, although I noted this evening one barred feather in the upper tail coverts, ~~and~~ the head is ~~[illegible]~~ darker green ~~[illegible]~~ than the colored feathers of the flanks dropping out and showing the light barred feathers.

July 4, 1909.

The drake Shoveller has some spotted and barred feathers appearing in his flanks in place of the rich cinnamon-colored feathers; it seems to me that more light-colored feathers are appearing in his head and neck also.

July 18, 1909.

The drake Shoveller is fast loosing his white breast feathers, spotted and barred feathers of buffish and blackish color appearing in their place. His flank feathers continue to change. His head and upper neck show no great change yet, but look very shabby.

July 25, 1909.

The drake Shoveller is becoming more and more spotted and is fast loosing the white feathers of his breast.

Spatula clypeata.

August 1, 1909.

The drake shoveller continues to go into the spotted plumage, almost all of the white having now disappeared.

August 29, 1909.

The drake ~~Shoveller~~ looks considerably like the females, although some green still shows on head and neck. The former white area of the body is now almost entirely replaced by barred feathers like those of the females.

September, 1909.

[illegible] shoveller "Edna" [illegible]

October 3, 1909.

The drake shoveller is practically indistinguishable from the females.

October 10, 1909.

All of the shovellers at Dr. Clark's were in the eclipse plumage, although none may have been males.

Nov. 7, 1909.

My drake shoveller shows no change yet, although those seen in Golden Gate Park were in full plumage. Females in [illegible]

Spatula clypeata.

November 21, 1909.

The drake Shoveller shows no change; still retains old wing quills.

December 26, 1909.

The drake Shoveller moulted his wing feathers some time ago. His neck is beginning to show some mottled white particularly near the base of the bill. The bill is now color united & black, as when in high feather. Some white feathers are beginning to appear on the under.

January 11, 1910.

The blackish spots at the base of the bill of the drake Shoveller are becoming more pronounced, and this morning I noted a blackish spot about the size of a dime on ~~the~~ side of the neck.

January 29, 1911.

The one remaining female shoveller "Zelda" is seen in bad shape for some time.

Fuligula affinis.

February 23, 1910.

I caught a drake which had been winged. The bone had knitted but the wing was somewhat thin.

The head and neck were black, but not the fore part of the breast as in full adults. The black and white lines across the back were not complete either. The flank feathers were of a brownish gray color. The fore part of the breast was of a brownish gray color, where in adults it is black. I suppose these features are because of immaturity.

Mareca americana. Drake. Obtained March 12, 1911.

January 14, 1912.

In high plumage except for worn primary coverts and worn rectrices, although some of these latter have been renewed, including the longer median rectrices. Tail coverts seem entirely renewed. Pale gray rump feathers are characteristic of high plumage.

February 11, 1912.

On a thorough close examination I see that this bird has two or three old worn rectrices and that the primary coverts of one wing are worn while those of the other are not. The worn ones are in the injured wing. I found two high-plumaged scapulars belonging to this bird on the ground. Head nowhere near as bright as in highest males seen. Cheeks are spotted and even the buff top of head has some spots.

February 22, 1912.

I picked up a unicolored (high-plumage) breast feather of this bird to-day that was quite worn, and had evidently been recently lost.

March 10, 1912.

I saw one or two, vermiculated interscapulars of this bird on the water of the pond to-day. I believe it is about through moulting. Of the tail feathers, the second rectrix on one side and the third on the other seem to be old and worn, otherwise the tail looks as it should.

Mareca americana. Drake. Obtained March 12, 1911.

April 7, 1912.

Same as a month ago. No change except wear. There seem to be three old rectrices in the right hand side of the tail. Had an opportunity to ascertain for a certainty to-day.

May 5, 1912.

No change except wear. Bill pale blue with black edge [illegible] black at the base of the maxilla on each side. Still calls as much as usual. Occasionally I have seen him ~~bobbs~~ lifting his head up and down ~~coming~~ coming against the female preparatory to mounting her. She, however, did not encourage and did not lay her head on the water as usual when ducks copulate. I have never seen him mount her.

Mareca americana. Duck. Obtained March 12, 1911.

January 14, 1912.

New and old primary coverts mixed. Three of former together. Distal primary covert old, three following new, then old ones (in one wing). Otherwise the bird appears to be in fresh feather. I seem unable to find other old worn feathers.

February 11, 1912.

Looks in good plumage but is moulting breast feathers without a doubt. One wing seems to lack primary coverts, exposing white basal shafts of primaries.

March 10, 1912.

Seems to be throughl moulting. The white basal shafts of primaries appear still white as though primary coverts were lacking. Aside from three or four feathers, apparently from the drake of this species, there were none on the pond freshly moulted, so I take it that the moult is about over in all seven individuals.

April 7, 1912.

Aside from wear, there seems to be no change.

May 5, 1912.

Aside from wear, there seems to be no change.

Nettium formosum. Drake. Obtained January 1, 1912. [illegible] No. 18721.

January 14, 1912.

Coming into high. Long tricolored scapulars [illegible]. White shoulder bars still a little [illegible], although white side rump bar is O.K. Colors of head and neck do not seem quite as clear as they should be, nor does the spotted breast. The finely-vermiculated gray feathers of the sides still have a number of eclipse feathers mixed with them along the upper margin of the flank feathers. These eclipse feathers appear to be like the ordinary flank feathers of the female. A few pale brown feathers of the eclipse are still to be seen in about the middle of the black under tail-coverts.

February 11, 1912.

About the same as a month ago, but is evidently moulting some small [illegible], as he is constantly picking at himself. Under tail-coverts are now entirely black. The old flank feathers of eclipse plumage hang on remarkably. Buff and white feathers of head still have same blackish wash which gives them a dull appearance as a month ago. The round black spots of breast seem to be becoming more distinct and losing their veiled appearance, possibly through wear of overlapping feather tips and possibly through moult. Heard him call for first time to-day.

February 22, 1912.

Has lost several eclipse-plumage flank feathers. Calls occasionally.

Nettion formosum. Drake. Obtained January 1, 1912.

March 10, 1912.

Has apparently ceased moulting and is evidently now in high plumage. The buff feathers of head still have black tips and the black feathers of the crown seem to have brownish or rufous tips. At a distance the black tips of the buff feathers of the head. Perhaps these tips will be worn off by wear.

April 7, 1912.

Aside from wear there seems to be no change.

May 2, 1912.

This morning I found this bird dead in the pond. Upon skinning the bird I could find no apparent cause for its death, as it seemed in perfect condition. It was not fatter than wild birds of other species which I have skinned. Bill black; iris brown. ~~C. A. C. No. 18727.~~

As a rule the drake of this species carries the head close to the shoulders, giving him a very round appearance. When speaking to the female in a low clucking, the bill is inclined upwards a little. In giving the long call which resembles a small section of a turkey gobble, the head is lifted straight up and the bill opened wide, the bird having the appearance of hissing.

Nettium formosum. Drake. Obtained May 7, 1912.

May 7, 1912.

This evening I obtained from Mrs. Kyther his extra male Japanese Teal to replace mine, which died on the 2nd. The bird appears to be a very vigorous one. When turned into the aviary he seemed quite at home, and on encountering the female a sort of wrestling match ensued, each pressing head and shoulder against the other. The male proved the stronger, showing her backwards over a garden edge.

Nettium formosum. Duck. Obtained January 1, 1912.

January 14, 1912.

Seems to be in perfect feather.

February 11, 1912.

Looks about the same as a month ago, but is evidently moulting as all the others seem to be doing. From the feathers in the pond, the breast feathers seem to be the chief ones lost. I found a scapular this morning that undoubtedly belonged to this bird. Looking at all three of the females of the three species now on hand, they appear to be in fairly fresh plumage and not moulting. This last is not the case, for evidently a limited prenuptial moult is in progress.

March 10, 1912.

S... s to be in perfect feather. I note that all the ducks pick at their feathers a whole lot less than they did a month ago.

April 7, 1912.

Aside from wear, there seems to be no change.

May 5, 1912.

Aside from wear, there seems to be no change. As a rule the female carries her head close to her shoulders also. When excited or alarmed, but the male & female raise their heads stretching their necks to the full length, then they appear less rotund.

Nettium carolinense. Drake. Obtained February 27, 1912.

March 10, 1912.

This bird which is a cripple with both wings injured, seems to be in high plumage, more or less worn in places, with no moult in progress at present.

April 7, 1912.

Aside from wear there is no change.

May 5, 1912.

Aside from wear, there seems to be no change. Looks to be in fine condition. Bill black. I have heard him calling occasionally in the evening. Just one single whistle.

Nettium carolinense. Duck. Obtained March 10, 1912.

April 7, 1912.

This bird is pinioned and there seems to be no moult in progress.

May 5, 1912.

No change except nail.

Dafila acuta. Drake (Ferdinand). Obtained March 21, 1910.

January 14, 1912.

Feathers of head and neck practically all renewed, although there is some trace of old eclipse feathers behind the bill and below the eye. Eclipse feathers still mixed in sides, scapular and interscapular regions, under tail-coverts, upper tail-coverts, and abdomen. The new long scapulars with median black stripe do not seem to differ from those of eclipse plumage, in this case, except in being paler and brighter. Evidently this bird did not go into full eclipse. Bill now normally bright and with the usual pattern of blue and black.

February 11, 1912.

In high plumage except that

1. Spike feathers are not full length.
2. Old eclipse feathers among black ones of under tail-coverts.
3. Few old feathers in loral region.

He seems to have attained full plumage on upper parts (except two or three long scapulars), breast, and sides, including the black-tipped vermiculated scapulars, which seem to be found in the very highest-plumaged birds.

February 22, 1912.

Spike feathers considerably longer. His mate, Sally, will not tolerate him in spite of his fine appearance. She drives him away as a rule.

Dafila acuta. Drake (Ferdinand). Obtained March 21, 1910.

March 10, 1912.

Ferdinand appears to be in perfect feather. He has developed his usual habit (at nesting time) of moving his head up and down as though hiccoughing or belching. It seems to me Sally is a little more tolerant of him than before.

April 7, 1912.

Aside from wear there is no change.

May 5, 1912.

No change aside from wear.

Dafila acuta. Duck (Sally). Obtained Feb. 6, 1909.

January 14, 1912.

Seems to be in perfect feather.

February 11, 1912.

Looks about the same as a month ago, but is evidently moulting breast feathers anyhow, as I see her picking at feathers and some also look as though they were coming out. I examined the upper surface of one wing carefully and all the feathers look of practically the same age. There are lots of small feathers in the pond, probably from all the birds.

Sally's tail lacks several rectrices on the right side.

March 10, 1912.

Is probably through moulting. Breast looks perfect again and the flank feathers and scapulars and interscapulars look fresh and unworn. The tail still looks dilapidated; I do not understand this unless she has some injury at the base of it. The wings, particularly the coverts look somewhat abraded but all of the same age. I should say that in all the birds, the prenuptial moult does not affect the wings.

April 7, 1912.

Aside from wear there is no change.

May 5, 1912.

Aside from wear there is no change.

Querquedula cyanoptera. Drake. Obtained April 1, 1912.

April 7, 1912.

Pinioned. In high plumage with no sign of moult.

May 5, 1912.

No change except wax. Bill black.

Spatula clypeata. Drake. Obtained March 18, 1912.

April 7, 1912.

Save for a number of brown feathers in face and front of neck this Bird is in high feather. Pinioned. Does not seem to be losing brown feathers from face.

May 5, 1912.

No change except near. Bill black, feet orange-red. Iris yellow.

Spatula clypeata. Duck. Obtained March 26, 1912.

April 7, 1912.

Aside from wear there is no change in process. Perfect.

May 5, 1912.

No change except wear. Feet less bright than males. Iris brown.

March 24, 1912.

This morning I visited the Alameda County Infirmary. On the pond there were numbers of Shovellers (Spatula clypeata), many of them ~~wild, and all~~ imprisoned and all tame.

There was a pair of geese that seemed to be hybrids between Branta canadensis and Anser albifrons. They had the furrowed neck of the latter, ~~the bro~~ the white-front of the latter, the white cheeks of the former. The upper parts and lower parts were colored as in Anser, but without the black markings on the underparts. The neck and part of head were brown instead of black as in Branta canadensis.

May 5, 1912:

To-day I visited Mr. Kytka. His Lampronessa sponsa have a round nest on the ground under a rose bush not a bird near. Mr. Kytka says he thinks the eggs go. Quick's pair of Nettion formosum had two yellow eggs in a somewhat similar round nest. Had eight young Anas boscas a week old and others hatching

Arenaria interpres. Sex . First bird mentioned in previous notes on aviary birds.

January 14, 1912.

Scapulars apparently fresh. Wing coverts and primaries worn. Rectrices apparently worn. Tail and coverts appear fresh as does white plumage of under parts.

Branta canadensis. February 12, 1912.

In examining five or six birds of this species which were resting on the grass on the edge of Stow Lake in Golden Gate Park to-day, I noted one with yellowish white filoplumes growing from among, or perhaps attached to, the feathers of the lower back. These feathers are black and are hidden when the wings are held in their usual position. This bird seemed to be in quite fresh plumage as did ~~several~~ the others, although the lower backs of only two others were exposed for scrutiny. I looked at two Dusky Canadas but could find no such feathers on their lower backs.

Arenaria interpres.

May 5, 1917.

Seems to be getting new reddish wing coverts.

1904 — Notes
April 3 — December

Edward Winslow Gifford

APR - 3 1904

Alameda, Cal. (at home.)

A pair of swallows were seen, — species undetermined; also a few Euphagus cyanocephalus.

APR - 4 1904

Alameda, Cal. to San Francisco, Cal.

On my way to the city, I saw a good many Euphagus cyanocephalus in flight. There were a good many Sterna on the sand and in the pools left bare by the tide, down near Fifth St. Station. Along the mole there were hundreds of ducks and gulls (Larus occidentalis, I presume). Among the ducks I am certain of Aristonetta vallisneria.

APR - 5 1904

Alameda, Cal. to San Francisco, Cal.

A few Sterna were seen.

APR - 8 1904

Alameda, Cal. (at home.)

Aphelocoma californica

Zonotrichia leucophrys

APR 17 1904

Alameda, Cal.

Passer domesticus. A great many were seen.

Carpodacus mexicanus. Four.

APR 20 1904

Alameda, Cal.

Passer domesticus. Abundant.

Zonotrichia leucophrys. One.

APR 24 1904

Alameda, Cal.

Sterna forsteri. About forty.
Carpodacus mexicanus. Four.
Astragalinus psaltria. Two.
Passer domesticus. Abundant.

MAY - 1 1904

Alameda, Cal.

Larus philadelphia. I saw a few near Bay Farm Island. I have seen them for the last week near Goat Island. There I saw two with mottled heads.

Sterna forsteri. Quite abundant. I shot one with a gray head. I saw them standing on the stakes and on the mud.

Ereunetes pusillus. I saw two or three thousand in one flock, from which I obtained twenty-five with one charge of number six shot.

Passer domesticus. Abundant.
Larus glaucescens.
Larus occidentalis.
Larus californicus.
Numenius hudsonicus.
Euphagus cyanocephalus.

MAY - 4 1904

Alameda, Cal.

Proctopus nigricollis. In very high plumage.
Larus californicus.
Larus philadelphia.
Sterna forsteri
Œdemia deglandi

Tringa canutus. In high plumage.
Microrhamphus scolopaceus. In high plumage.
Aegialitis semipalmata. In high plumage.

MAY - 6 1904

Alameda, Cal.

Sterna caspia ?
Sterna forsteri.
Steg. ophilus fulicarius.
Phalaropus lobatus.
Pelidna alpina.
Macrorhamphus scolopaceus.
Crymotes accidentalis.
Numenius hudsonicus.
Squatarola squatarola.
Aegialitis semipalmata.
Ereunetes melanotus.

MAY - 9 1904

Alameda, Cal.

Larus philadelphia.
Phalaropus lobatus. One.
Sterna forsteri.
Tringa canutus. In high plumage.
Pelidna alpina. One small flock.
Crymotes accidentalis.
Limosa fedoa.
Numenius hudsonicus. Common.
Squatarola squatarola.
Aegialitis semipalmata.

MAY 15 1904

Alameda, Cal. to San Francisco, Cal.

Large shore birds were seen on the road to the city, while Larus philadelphia was quite scarce.

MAY 16 1904

Alameda, Cal.

No curlew or sandpipers were seen.

MAY 17 1904

Alameda, Cal.

Larus philadelphia is quite numerous to-day, while Larus glaucescens seems to have disappeared.

MAY 23 1904

Alameda, Cal.

I saw no Limicolae to-day; while Larus philadelphia is becoming quite scarce. Few Larus glaucescens have been seen in the last week.

MAY 24 1904

Alameda, Cal.

No Limicolae were seen, nor were any Larus glaucescens or Larus philadelphia.

MAY 25 1904

San Francisco, Cal. (Bay water front.)

This evening I observed a number of Phalaropus on the water off the ferry slips.

MAY 29 1904

Alameda, Cal.

I found a wounded Phalaropus lobatus on the marsh. No other Limicolae were seen. Terns have not been seen since the 9th of May. I also saw Larus occidenta-

Sis and Larus californicus.

JUN 14 1904

San Leandro Bay, Alameda, Cal.

The following birds were observed:-

Limosa fedoa. Common.

Numenius hudsonicus. Common.

Phalaropus lobatus. I found one which was wound-
ed. Sturnella magna. Common.

Astragalinus tristis. Common.

Melospiza cinerea. Abundant.

Larus occidentalis. I saw one in a slough.

JUN 14 1904

San Francisco Bay between Goat Island and Market St., San Francisco.

Mr. Loomis saw a dozen Uria troile and about twenty Larus heermanni.

JUN 15 1904

Alameda, Cal. to and from San Francisco, Cal.

Larus occidentalis.

Larus heermanni.

Nycticorax nycticorax.

Ardea herodias.

The last two are very common about Alameda.

JUN 16 1904

Alameda, Cal. to and from San Francisco, Cal.

Larus occidentalis.

Larus heermanni.

Ardea herodias.

Nycticorax nycticorax.

JUN 17 1904

Alameda, Cal. to and from San Francisco, Cal.

Larus heermanni.
Larus occidentalis
Nycticorax nycticorax.
Ardea herodias.

JUN 20 1904

Alameda, Cal. to and from San Francisco, Cal.

Uria troile.
Larus occidentalis.
Larus heermanni.
Nycticorax nycticorax.

JUN 21 1904

Alameda, Cal. to and from San Francisco, Cal.

Larus heermanni.
Larus occidentalis.
Uria troile
Nycticorax nycticorax.

JUN 22 1904

Alameda, Cal. to and from San Francisco, Cal.

Uria troile.
Larus occidentalis.
Larus heermanni.
Nycticorax nycticorax.
All four species occur commonly.

JUN 23 1904

Alameda, Cal. to and from San Francisco, Cal.

Larus occidentalis.

Larus heermanni.
Ardea herodias.

JUN 24 1904

Alameda, Cal. to and from San Francisco, Cal.
Larus occidentalis
" heermanni
Uria troile.

JUN 25 1904

Alameda, Cal. to and from San Francisco, Cal.
Larus occidentalis.
Larus heermanni.

JUN 27 1904

San Francisco, Cal. to Alameda Mole, Cal.
Time:- 6:15 P.M. to 6:35 P.M.
Conditions:- Overcast; good breeze blowing; temperature about 50° F.

After leaving the ferry slip the first bird which greeted my eye was Larus heermanni. The few of them which were flying about, I noted to have no attention whatever to the steamer, but circled gracefully about in search of food.

As we neared the United States Army transport Logan, I saw a large flock of Larus occidentalis and Larus heermanni, some flying, some sitting on the water; all evidently engaged in getting food. Larus heermanni predominated.

At the boat was right off Point Alcatraz, Alcatraz Island, a murre (Uria troile) came flying

rapidly across the bows and headed seaward. Another dived as the boat approached. A few more Larus heermanni were seen as we cleared the mole. The total for the trip was: Uria troile. 2.

Larus occidentalis. About ten.

Larus heermanni. About thirty.

Eastern end of Alameda, Cal.

Time:- 8:00 P.M. to 8:15 P.M.

Conditions:- Partly overcast, moon barely showing.

Temperature 54° F.

About Pigeon Guillemots were seen slowly winging their way from the tall trees on High Street, in which they make their homes, to the marshes to the south and east. One bird in particular attracted my attention. Two of them were flying together, the third one was following carelessly. This led me to believe that the bird in the rear was a young one, who was not used to his new vocation, and was adding to his awkwardness, — probably the bride in the lead.

JUN 28 1904

High Street Station, Alameda, Cal. to San Francisco, Cal.

Time:- 7:00 a.m. to 8:00 a.m.

Conditions:- Slightly overcast; temperature about 50° F. Good breeze blowing.

As I walked to the train this morning, I noted a great many Pigeon Guillemots. I also saw a few west of High St. Station. As the tide was low, there was a large expanse of sand along the seawall between High St. and West Alameda Station. Here there were a good many

Larus occidentalis resting on the sand. As the train passed it was a ridiculous sight to see them waddle away, some breaking into flight.

There were also a few Hyptico-ax, mystico-ax, walking sedately along the sand, their heads drawn in close to their bodies, as though they were cold. The passing of the train did not seem to disturb them.

As the train left West Alameda Station and backed through the vegetable gardens I saw a large flock of Pacific cormorants. Along the mole, I saw many Larus occidentalis, both adult and young, on the large expanse of sea sand and mud.

In the shallow water there were four or five Great Blue Herons standing with heads erect as the train passed.

When the boat left the mole the wind had freshened. It was still somewhat overcast. San Francisco was partly obscured by fog and smoke. Off towards Angel Island and the Golden Gate, the fog was quite thick. I saw an occasional Larus occidentalis until I reached Goat Island. Some were flying, others sitting on the water. They paid no attention to steamer except to get out of the way.

Off Goat Island, I saw, in addition to a few Larus heermanni, an occasional one on the water. I saw a few of both species, between the island and the city. All the birds which were on the wing, flew against

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to receive numbered.

JUN 29 1904

Alameda, Cal. (At home.)
Time :- 6:15 A. M. to 7:00 A. M.
Conditions :- Overcast; temperature 55° F.

When I got up this morning, the first thing I heard was the business-like note of Pelecocorax calvicus. Looking out of the window, I saw the bird fly from the fence down to a pond, evidently to get some food. There are four pairs of these birds in the vicinity of the house. Looking out of the window I saw the birds fishing around in the pond, for a long time, and I suppose it is very likely an occupation.

Alameda, Cal. to San Francisco, Cal.
Time :- 7:00 A. M. to 8:00 A. M.
Conditions :- Very slightly overcast; sun shining occasionally.

As I went down the street this morning there were a great many Passer domesticus in the trees. As the train passed along the mainland just east of Mills' Station I saw a few Corvidae in the fields. Occasionally a Buteo borealis californicus would appear, the others, as usual, [illegible] this shallow water.

A few Larus occidentalis were about the
vessel as we left the dock. Larus heermanni
was present in small numbers, but the bird
which I saw most frequently was Larus
occidentalis. There were a few Gulls
and Terns following the vessel
after we got out to sea.

I saw a couple of Larus occidentalis on the piles at the mole; they were at a good distance from the steamer, however. Later, we left the slip, I saw an occasional bird of the same species.

Off Goat Island Larus heermanni was quite numerous. Some were flying and some were at rest. I saw two or three Larus occidentalis on the water. Larus occidentalis seemed to sit on the water more frequently than does Larus heermanni. Both species were quite numerous the remainder of the trip. Nearly all which were in flight flew to the eastward. Off Goat Island, I saw a party of four Common Murres flying swiftly seaward. Another bird flew across the steamer's bow.

San Francisco, Cal. to Alameda, Cal.
Time:- 5:15 P.M. to 5:35 P.M.
Conditions:- Overcast; temperature mild.

The first bird which greeted my eyes after the slip was a beautiful, adult Larus occidentalis. A little way out we struck both species — Larus occidentalis and Larus heermanni. A few of the Western Gulls were on the waters. The Heermanni

[illegible] Island. To the south of the island [illegible] a little [illegible] to the east. The wind died away somewhat. Had a good opportunity of observing the birds on the water. They did not dive under [illegible] as they usually do, but flew up with [illegible] to force themselves down.

[illegible] over near the Alameda Mole.

JUN 30 1904

Alameda, Cal. to San Francisco, Cal.
Time:- 6:45 a.m. to 8:00 a.m.
Condition:- Overcast; temperature mild.

When I awoke this morning the first bird sound that struck my ear was the cheery call of Pipilo crissalis. The birds were beneath my window. One was perched on the edge of the walk; the other was in the walk trying to twist a piece of rock out with his beak. He uttered an occasional note and finally gave it up, uttering a few unintelligible notes at the same time. While it was disputed out, I was able to tell. When next the house there was a pair in the [illegible] across the street, perhaps the same pair. Bush St. [illegible] a great many [illegible] feeding in the [illegible].

As the train passed through town I saw a flock of [illegible] a dozen Hirundo erythrogastra, facing to the south high [illegible].

Assembled along the seawall Nycticorax [illegible] was in evidence, and also [illegible]

In the Italian vegetable gardens I noted a few swallows (Hirundo erythrogastra) skimming along very low over the plants, evidently in search of insects which might be stirring. I also saw a few Chihuahua ravens (Corvus cryptoleucus) flying as the train passed.

Along the marsh north of West Berkeley Station, I observed a few Belding's ground squirrels (Citellus beldingi), which took flight as the train approached.

On the expanse of sand to the south of the mole, were a large concentration of Larus occidentalis brunnicabillus, young birds. Most of these took to flight. Away off at the water's edge stood a single Avocet (Recurvirostra americana), its head turned sideways.

On the ferry boat I saw quite a lot of Larus occidentalis and Larus heermanni. The latter I did not see until off East Oakland. Here they predominated. [illegible] San Francisco, Cal. to Sausalito.

Soon after I settled myself on the transbay ferry. There was a large flock of gulls astern; it consisted of both Larus occidentalis and Larus heermanni. Larus (Xema) Bonaparti was also present in small numbers and headed west. There were also a few Phalacrocorax penicillatus sitting on the water. Every now and then one would raise itself up and flap its wings.

JUL - 1 1904

Alameda, Cal. to San Francisco, Cal.
Time :- 7:00 A.M. to 8:00 A.M.
Conditions :- Overcast; windy; temperature mild.

As I walked down the street this morning, I saw and heard a great many Passer domesticus. As the train went along the causeway, I saw the usual number of Nycticorax nycticorax and Larus occidentalis. In the vegetable gardens, I saw a few Euphagus cyanocephalus; Xanthocephalus xanthocephalus and Agelaius phoeniceus. On the sand along the mole there were a great many Larus occidentalis. I saw one Larus heermanni, the first I have seen on the sand. I saw one Ardea herodias.

At Goat Island there were quite a few Larus heermanni and Larus occidentalis in flight, the former predominating. I saw a Tringa alba on the water, it being somewhat rough. I saw one Hydrochelidon nigra surinamensis.

JUL - 2 1904

Alameda, Cal. to San Francisco, Cal.
Time :- 7:00 A.M. to 8:00 A.M.
Weather :- Very overcast; thin fog; windy; moderate temperature.

I saw the usual number of Passer domesticus as I walked to the train. They were in the streets and all over. Opposite the station, in an oak tree I saw an Melanerpes formicivorus californicus busily engaged in boring his beak on to a branch. Off the causeway I saw a few Nycticorax

Larus occidentalis and Larus occidentalis. As the tide was pretty high there was not much space for many birds to rest. In this small space I noticed a few Euphagus cyanocephalus.

Near the mole I saw not many Larus occidentalis on the sand. Off at the water's edge was an Ardea herodias. On the bay I saw a few Larus occidentalis. Where flying as it was in the air, I saw no distinguishing mark.

San Francisco, Cal. to Alameda, Point, Cal.
Time:- 5:45 P.M. to 6:05 P.M.
Conditions:- Overcast; wind; a little cold.

On the entire trip I saw only a few of both species of gulls,- that is Larus occidentalis and Larus heermanni. Standing on the water and flying as Larus occidentalis. When the arrow is against the wind, so is that of the mariner of Guanta aquila. South of Point Bonita I saw five Uria troile on the water and one in flight. I saw one Larus heermanni near the mole.

On the train I noticed a few, I saw a fine adult Larus occidentalis trying vainly to fly away with a ladder.

JUL -3 1904

From home to bay shore south of West Alameda Station via Bay Farm Island, and return.
Time:- 8:00 A.M. to 9:30 A.M.

conditions:- Overcast; windy; moderate temperature

As I rode down the street I saw a great many Passer domesticus. Along the marsh to the north of Bay Farm Island bridge I saw a few Hirundo erythrogaster. Along the Bay Farm Island I saw a few Molospiza cinerea and also a few Harporhynchus mexicanus.

At the side of the road where the rubbish is dumped I saw some Hirundo erythrogaster and also some Petrochelidon lunifrons. In the road there were great flocks of Passer domesticus.

On the beach on the south side of the Island I saw were a few Nycticorax nycticorax. Along the beach just at the edge of the grass were great numbers of Petrochelidon lunifrons. They flew when I approached. I saw one adroitly catch an insect, and to have a struggle in the air in preventing a hungry comrade from getting it. Far off over the marsh I saw a few Ardea herodias

North end San Leandro Bay, Alameda, Cal.
3:30 P.M. to 5:00 P.M.
Conditions: Overcast, windy, cold.

When I jumped out of the boat on to the marsh near Melrose, the first birds I saw were a pair of Sturnella magna, which flew up from the marsh. Here also I saw several Nycticorax nycticorax and a few Ardea herodias. A flock of five or six Limosa fedoa flew by me. Just too far off to distinguish what they were [illegible]

of large Limicolae. I think they were Numenius and Limosa. I saw a small flock of sandpipers. Getting into the boat I went across to the west bank of the Melrose slough. Climbing over the dyke, I saw in the open tract of land before me a good sized flock of Charadriidae. The tide was high, hence the birds were forced to seek the dry land or the marsh.

Just as I reached the landing at the foot of the steps, a tern passed by overhead.

JUL - 4 1904

Alameda, Cal. Northern end of San Leandro Bay to Alameda Yacht Club and return. Tide ebbing and then flooding.

Time:- 5:30 a. m. to 12 a. m.

Weather:- Overcast, no wind, drizzling, moderate temperature to 9:30 a.m. 9:30 a. m. to 12 a. m., hot, clear, no wind.

In San Leandro Bay we saw the following birds:-

Ardea herodias. A few.

Nycticorax nycticorax. Common.

Limosa fedoa. Abundant.

Squatarola helvetica. Common.

Sandpipers, curlew, and plover.

The birds were unapproachable owing to the great expanse of impassable mud and their extreme wariness. The plover were abundant; the sandpipers and curlew scarce. I was not able to determine what species they were. All were at one time in flight and at another time on the mud feeding.

I saw a hawk in a tree near Fitchburg. Here I saw two Sterna magna. Finding it useless to stay in such a shallow place, we went outside along the Alameda shore. Here we saw:-

Limosa fedoa. Abundant.

No Plover.

Nycticorax nycticorax. Common.

Ardea herodias. A few.

Larus occidentalis. A few.

Larus philadelphia. Common. I shot three of these. The first I used as a decoy. Two were young birds. I saw several with black heads.

JUL - 5 1904

Alameda, Cal. to San Francisco, Cal.

7:00 A. M. to 8:00 A. M.

Conditions:- Overcast; windy; temperature moderate.

I of course saw a good many Passer domesticus as I went down the street this morning. I also saw a Nycticorax nycticorax fly over. Along the seawall there were no birds owing to the water being high. On a narrow strip of sand near the roundhouse I saw a few Larus occidentalis.

On the bay I saw quite a few Larus occidentalis and Larus heermanni. All were flying eastward. The latter I did not see until off Goat Island. Here I saw three or four Uria troile on the water.

5:15 P.M. to 5:35 P.M.

Conditions:- Overcast; windy; moderate temperature.

On the trip over to-night I saw only Larus occidentalis and Larus heermanni. I saw a small group of the former on the water off Goat Island.

JUL - 6 1904

Alameda, Cal. to San Francisco, Cal.

6:30 A. M. to 8:00 A. M.

Conditions:- Overcast; windy; moderate temperature.

I saw a humming bird in the back yard when I got up; it was engaged in sticking its long bill into the flowers of a tree mallow (Lavatera assurgentiflora). I think it was Calypte anna.

In the back yard was also a pair of Aphelocoma californica engaged in picking up food in a chrysanthemum bed. Regarding this species, I heard recently from a friend that they get into his hen-house during the day and suck the eggs.

Of course I saw a great many Passer domesticus in the yard and as I went up the street. Females are more abundant than [illegible].

At the roundhouse I saw a small flock of young Larus occidentalis on a narrow strip of beach. On the bay I saw no Larus heermanni. I saw a couple of Uria troile on the water off Goat Island.

San Francisco, Cal. to Alameda Mole, Cal.

5:15 P.M. to 5:35 P.M.

Conditions: Overcast; windy; slightly cold.

I saw considerable numbers of Larus occidentalis flying and also a good many on a strip of sand north of Oakland creek. I saw two Larus heermanni both in flight. This species has decreased very suddenly in numbers. Off Goat Island was one Uria troile on the water.

JUL -7 1904

Alameda, Cal. to San Francisco, Cal.

7:00 a. m. to 8:00 a. m.

Conditions:- Overcast; windy; temperature rather cold.

I saw quite a few Passer domesticus as I went to

the train. I saw no water birds until I left the mole. On the trip across the bay, I saw a few Larus heermanni and about twice as many Larus occidentalis. The majority of the birds were on the water. I saw one Uria troile on the water.

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 5:35 P.M.

Conditions:- Overcast; strong west wind; moderate temperature; tide flooding.

I saw Larus occidentalis and Larus heermanni, the latter off Goat Island. They were in about the ratio of four to one. Off the island an Uria troile flew across the bows. Along the mole I saw a few Larus occidentalis; they had evidently discovered some refuse. One would fly down to the water and try and pick up something, then another would do the same.

The shores of Alameda and Bay Farm Island are so situated that when a southerly or westerly wind blows, it piles up the refuse from San Francisco on our beaches. Another thing that makes our shores teem with bird life is the fact that the Sacramento river current is swept around to our shores as the tide floods by the ocean current, causing big mud flats to be formed. The place where these two currents meet is east of Goat Island and can be distinctly seen. On the west is the clean, clear, green, ocean water; on the east is the dirty, yellow, muddy river water.

JUL - 8 1904

Alameda, Cal. to San Francisco, Cal

7:00 A. M. to 8:00 A. M.
Conditions:- Overcast; strong south west wind; slightly cold; tide flooding.

I saw a good many Passer domesticus on the way through town. At the station I saw one Hirundo erythrogaster flying over a chicken yard. Near Fifth St. Station I saw one Larus occidentalis flying and one on the water. At the mole there was one sitting on a distant pile. On the bay I saw a few Larus heermanni off Goat Island and a few Larus occidentalis.
San Francisco, Cal. to Alameda, Cal.
5:15 P. M. to 5:35 P. M.
Conditions:- Overcast; strong west wind; temperature moderate; tide flooding.

I saw a few Larus heermanni and Larus occidentalis on the trip over. They keep a good distance from the steamers, in fact seem not to heed them. On the south and south-eastern sides of Goat Island, I saw three or four Uria troile on the water.

JUL - 9 1904

Alameda, Cal. to San Francisco, Cal.
7:00 A. M. to 8:00 A. M.
Conditions:- Overcast; drizzling in Alameda, but not on the bay; warm; tide flooding.

I saw a good many Passer domesticus in town and a few Euphagus cyanocephalus in the vegetable gardens. At the roundhouse I saw a small flock of immature Larus occidentalis. On the bay I saw a few Larus heermanni and a good many Larus occidentalis. Off the

south-eastern end of Goat Island I saw a large flock of gulls on the water, probably Larus occidentalis principally. I saw a few Larus heermanni on the water off the south-western end, also a pair of Uria troile.

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 5:35 P.M.

Weather:- Clear; light west wind; warm; tide flooding.

I saw about forty Larus occidentalis some on the water and some flying, and only one Larus heermanni. From end to end of Goat Island the water was dotted with murres (Uria troile), singly and in little companies, all seeming to enjoy the sunshine and warmth. Every now and then one would rise up and flutter its wings. Flying low over the water, there white flanks and under parts showing beautifully in the light, were little companies of these birds. Altogether there were over a hundred.

JUL 10 1904

Alameda, Cal.

Time:- A.M.

Conditions:- Clear; warm; light west wind.

I saw a great many Passer domesticus in my own yard and along the streets. These birds along with domestic pigeons which are allowed freedom, are a perfect pest in chicken yards owing to the amount of wheat they consume. On Central avenue I saw one P. pilo fuscus; it flew down from a fence to the sidewalk.

Alameda, Cal.

7:00 A.M. to 8:00 A.M.

Conditions:- Clear; good southwest wind blowing; temperature

moderate; tide flooding.

We went out for a short sail just at dusk. I saw about ten Nycticorax nycticorax fly over.

JUL 11 1904

Alameda, Cal. to San Francisco, Cal.

7:00 A.M. to 8:00 A.M.

Conditions:- clear; warm; light west wind; tide flooding.

While walking down the street I saw a Nycticorax nycticorax fly over high up in the air. A great many Passer domesticus were seen. On a patch of exposed sand along the mole I saw about fifty Larus occidentalis, mostly young birds. Out at the waters edge I saw six Ardea herodias bunched together. On the bay I saw about a dozen Larus occidentalis, some flying, some on the water.

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 5:35 P.M.

Conditions:- clear; warm; light west wind; tide flooding.

Off Goat Island there were three or four Uria troile on the water. I saw four flying oceanward. But coming in constantly from the sea were little bunches of four or five flying southeastward. I saw one or two Larus heermanni flying and also a few Larus occidentalis. North of Oakland creek was a flock of gulls on the sand. Also another near the round house. I saw one Larus occidentalis near the train.

I saw one Hirundo erythrogaster this evening about 7:15. flying quite low over the neighboring yards. There was a light west wind blowing. It was clear and cool.

JUL 12 1904

Alameda, Cal. to San Francisco, Cal.

7:05 A.M. to 8:05 A.M.

Conditions: Overcast; warm; light west wind; tide flooding.

Pedro domesticus occurred quite commonly through the town. Along the seawall I saw some gulls, they were too far off to distinguish the species. In the vegetable gardens I saw a flock of about twenty Euphagus cyanocephalus. Along the mole I saw about fifty gulls, Larus occidentalis predominating, some few Larus heermanni. On the northern side of Oakland creek there was a large flock of gulls. On the bay I saw a few Larus occidentalis and Larus heermanni.

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 6:35 P.M.

Conditions:- Clear; warm; light breeze; tide flooding.

Off Goat Island, I saw two or three Uria troile on the waters. There were a great many flying, the majority going eastward, a few seaward. I saw a few Larus occidentalis flying, one on the light at the mole, a flock north of Oakland creek, and two good sized flocks near the roundhouse.

JUL 13 1904

Alameda, Cal. to ~~and ...~~ San Francisco, Cal.

7:00 A.M. to 8:00 A.M.

Conditions:- Clear; warm; light easterly wind in Alameda; light westerly wind on the bay. Tide flooding.

I saw a good many Passer domesticus in town. While waiting at the station I saw a Nycticorax nycticorax fly over. I saw three Aphelocoma californica fly from one eucalyptus tree to another. On the sand near Fifth St. station I saw a Nycticorax nycticorax. On a manure pile in the vegetable gardens, I saw a flock of Euphagus cyanocephalus. Along the mole I saw about ten Larus occidentalis. Far off to the south, that is, off the borax works I could see a large flock of gulls moving over the water. On the north side of Oakland Creek there was a good sized flock of gulls on the sand. On the bay I saw a few Larus occidentalis.

JUL 14 1904

From home to about one mile south of Bay Farm Island bridge, Alameda, Cal. I went on a bicycle.

Time:- 5:30 a.m. to 6:50 a.m.

Conditions:- Clear; calm; temperature moderate.

There were two Aphelocoma californica in the back yard. One, a male, I shot. The other bird stayed near, shrieking in the meantime until I drove it away. There were quite a few Passer domesticus in the trees and on the streets. As I rode along near Bay Farm Island bridge, a curlew flew over. On the further side of the bridge a sandpiper passed swiftly by. It was probably Ereunetes occidentalis. Near the bridge I saw three or four Carpodacus mexicanus. Hirundo erythrogaster was also common, some sailing over piles of rubbish beside the road, others sitting on the wires. There were

a good many Passer domesticus, particularly in the rubbish. Totanus incanus was abundant. The three I shot were young birds. This bird may be seen any place along the road, particularly in the rubbish piles. When I returned home I saw an Aphelocoma californica perched on a chimney nearby.

Alameda, Cal. to San Francisco, Cal.

Time:- 7:30 a.m. to 8:30 a.m.

Conditions:- Clear; strong west wind; moderate temperature.

I saw a good many Passer domesticus throughout the town. From the seawall I saw a good sized flock of gulls flying to windward. A few Euphagus cyanocephalus were seen in the vegetable gardens. From the mole I could see a large flock of gulls circling in the distance. A few Larus occidentalis could be seen on the exposed mud. On the bay a few Larus occidentalis and Larus heermanni were seen. I saw one Uria troile on the water.

San Francisco, Cal. to Alameda, Cal.

Time:- 4:45 P.M. to 5:05 P.M.

Conditions:- Clear; strong west wind; moderate temperature.

I saw a few Larus occidentalis and also a few Larus heermanni on the bay. At the mole I saw a Larus occidentalis on a pile. On a narrow strip of sand near the roundhouse I saw a couple of Larus occidentalis. Quite a ways south of the roundhouse was a large flock of gulls on the sand, another on the north side of Oakland creek.

From home to about a mile south of Bay Farm Island bridge, Alameda, Cal. and return.

Time:- 5:45 P.M. to 6:50 P.M.

Conditions:- Clear; strong west wind; temperature moderate

Passer domesticus and Melospiza cinerea were quite abundant especially around the rubbish piles. I shot eight of the latter, all young birds. Hirundo erythrogaster and Petrochelidon lunifrons were common, being seen sailing over the mud and rubbish piles. Away off over the marsh I could see a flock of about a dozen curlew or godwit settling to the earth. They were south of the railroad track, that is the S. P. C. R. R.

JUL 15 1904

Alameda, Cal. to San Francisco, Cal.

7:00 a.m. to 8:00 a.m.

Conditions:- Overcast; windy; moderate temperature.

Passer domesticus was abundant throughout the town. On the sand along the seawall I saw three or four Mycticoras mycticoras. Out at the water's edge was a flock of gulls. Euphagus cyanocephalus I saw in the Italian vegetable gardens. Along the mole there were three or four gulls, Larus occidentalis, while off at the water's edge there was a large flock of them, and another on the north side of Oakland Creek. On the bay I saw perhaps a dozen gulls, the majority being Larus heermanni; the balance were Larus occidentalis.

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 5:35 P.M.

Conditions:- Clear; strong west wind; temperature moderate. Tide ebbing.

I saw a few Larus occidentalis on the trip across this evening. Some were flying; a few were on the water.

JUL 16 1904

Alameda, Cal. to San Francisco, Cal.

7:00 a.m. to 8:00 a.m.

Conditions:- Cloudy; light west wind; temperature moderate.

As I left the house this morning I saw a few Hirundo erythrogasters next door. Some were sitting on the edge of the gutter on the roof; the others were flying. A flock of plover passed by high overhead. Passer domesticus was abundant as far as the roundhouse. On the sand at the seawall I saw a few Larus occidentalis and a couple of Nycticorax nycticorax. Euphagus cyanocephalus appeared commonly in the vegetable gardens. Along the mole I saw a few Larus occidentalis. Far out at the water's edge were two large flocks of gulls, perhaps fifty in each. On the bay I saw a few Larus occidentalis.

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 5:35 P.M.

Conditions:- Clear; strong west wind; moderate temperature.

I saw two Larus heermanni and three or four Larus occidentalis on the trip over. All were flying westward.

JUL 17 1904

Alameda, Cal.

7:00 a.m. to 11:00 a.m.

Conditions:- Clear; warm; light east wind.

I saw the following birds:-

Aphelocoma californica. Eating pears.

Carpodacus mexicanus. Three or four eating pears.

Icterus bullocki. Three young birds eating figs.

Passer domesticus. Abundant.

Euphagus cyanocephalus. A few.
Alameda, Cal. to San Francisco, Cal.
11:30 a. m. to 12:30 P. M.
Conditions:- Clear; warm; strong west wind.
I saw a large flock of gulls on the north side of Oakland Creek. On the bay I saw a few Larus occidentalis and Larus occidentalis.
Millbrae, San Mateo Co., Cal.
2:45 P. M.
Conditions:- Sun shining; warm; strong west wind; fog rolling in over the mountains from the ocean.
I saw a flock of about a dozen Euphagus cyanocephalus rise up from a meadow along side the track.
San Francisco, Cal. to Alameda, Cal.
4:45 P. M. to 5:05 P. M.
Conditions:- Clear; strong west wind; tide about high; warm.
I saw a few Larus occidentalis and a few Larus heermanni on the trip across.
From home to about two miles across Bay Farm Island and return.
6:00 P. M. to 7:15 P. M.
Conditions:- Clear; strong west wind; moderate temperature. Tide well up.
I saw a few Carpodacus mexicanus and a few Passer domesticus along the road. Melospiza cinerea was abundant. The fact that the tide was high prevented this bird from getting down into the marsh and down along the

side of the road. I shot eight. Hirundo erythrogaster and Petrochelidon lunifrons were common. They were seen skimming along over the sloughs particularly over the reddish fields.

JUL 19 1904

Alameda, Cal. to San Francisco, Cal.

7:00 A. M. to 8:00 A. M.

Conditions:- Cloudy; warm; light west wind.

Saw two Aphelocoma californica in the yard just before I left for the train. Passer domesticus was very abundant along the route. A few Euphagus cyanocephalus were busy along through the vegetable gardens. Along the route there a great many gulls. Those that were near enough to identify were all Larus occidentalis. Ardea herodias could be seen at the water's edge. On the bay I saw a few Larus occidentalis. It seems strange that the murres (Uria troile) have disappeared so suddenly.

San Francisco, Cal. to Alameda, Cal.

5:15 P. M. to 5:40 P. M.

Conditions:- Clear; strong west wind; moderate temperature.

Larus occidentalis and Larus heermanni were common on the bay. We ran into a large bunch of both species in a lot of drift, principally pieces of banana palms, off Goat island. On the marsh near the round house I saw a large flock of shore birds, probably curlew.

Alameda, Cal.

7:30 P. M.

Conditions Clear; warm; no wind.

Nycticorax nycticorax were passing overhead in twos and threes from the rookery.

JUL 19 1904

Alameda, Cal. to San Francisco, Cal.

7:00 a.m. to 8:00 a.m.

Conditions:- Overcast; west wind; temperature moderate.

I saw two Aphelocoma californica and a good many Passer domesticus as I went to the train. On the bay I saw a few Larus occidentalis.

San Francisco, Cal. to Sausalito, Cal.

5:15 P.M. to 5:45 P.M.

Conditions:- Clear and warm off San Francisco waterfront. Off Alcatraz and Angel Islands, low fog with cold west wind.

I saw a good many Larus occidentalis and Larus heermanni on the way over. Off Alcatraz there were hundreds of Uria troile, many of which flew up as the boat passed. I saw one try vainly to cross our bows and finally have to sheer off. Off Angel Island I saw one Phalacrocorax penicillatus.

JUL 20 1904

Sausalito, Cal.

5:45 a.m. to 6:15 a.m.

Conditions:- Cold; foggy.

I saw a good many Carpodacus mexicanus about clumps of milk thistles (Silybum marianum), the seed of which they feed upon. I saw also one Pipilo fuscus and three Pipilo maculatus.

Sausalito, Cal. to San Francisco, Cal.

7:15 a.m. to 8:15 a.m.

Conditions:- Overcast; west wind; cool temperature.

Saw one Passer domesticus as I went to the steamer. Up in the hills I saw none," they seem to hang around the towns rather than hunt the solitudes.

Off Sausalito I saw a good many Larus occidentalis and Larus heermanni, also one Phalacrocorax penicillatus. Off Alcatraz I saw another Phalacrocorax penicillatus. There were no Uria troile to be seen.

San Francisco, Cal. to Alameda Mole, Cal.

5:15 P. M. to 5:35 P. M.

Conditions:- Clear; warm; light west wind; tide high.

I saw one Larus heermanni on the trip over this evening, being in a position very unfavorable for observation.

Alameda, Cal.

7:30 P. M.

Conditions:- Clear; cool; light west wind.

I saw four Hirundo erythrogaster huddled together on a telephone wire. The two birds in the middle appeared to be young birds from their much smaller size.

JUL 21 1900

Alameda, Cal. to San Francisco, Cal.

7:00 P. M. to 8:00 A. M.

Conditions:- Overcast; light west wind; temperature moderate.

I saw an Aphelocoma californica in the yard before I left for the train. Passer domesticus was also present. I saw a few Euphagus cyanocephalus in their old rendezvous in the vegetable gardens. On the bay I saw a few Larus occidentalis and a few Larus heermanni. Off the San Francisco water front a Phalacrocorax flew swiftly by, headed to the northward. I saw no Uria troile on the whole trip across.

July 21, 1904.
San Francisco to Alameda, Cal.
Conditions:- 5:15 P.M. to 7:15 P.M. Slightly overcast, light west wind, moderate temperature.

On the bay I saw a few Larus occidentalis and a few Larus heermanni. Gulls seem exceedingly scarce; this [illegible] - they could not be on the sand and mud flats.

In Alameda, Passer domesticus greets my eye at every step. About 6:45 P.M. I saw a Nycticorax nycticorax fly over. At 7:00 P.M. I observed some Carpodacus mexicanus eating pears on a tree in the yard.

I took a short bicycle ride to Bay Farm Island. On the way over, I noted several Hirundo erythrogaster sailing about in the warm comfortable air. [illegible] the draw bridge a tern flew by. It was a larger bird than Sterna forsteri; its wing beats were also quicker.

July 22, 1904.
Alameda, Cal. to San Francisco, Cal.
Conditions:- 6:30 a.m. to 8:00 a.m. Overcast; light west wind; temperature moderate. Tide well in.

I saw one Aphelocoma californica, a good many Passer domesticus and about half a dozen Carpodacus mexicanus. The last named were pecking at the pears on a tree of the genus Pyrus.

On the bay I saw a few Larus occidentalis and a few Larus heermanni.

July 22. 1904
San Francisco to Alameda, Cal.
Conditions:- 5:15 P.M. to 5:35 P.M. Clear; light west wind; moderate temperature. Tide about high.
I saw about fifty Larus occidentalis and Larus heermanni. Most of these were in flight, although I saw a good sized flock on the water off Goat Island. They were in a lot of floating rubbish and did not fly until the steamer was almost on them. Both of the above named species were present.
July 23, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 a.m. to 8:00 a.m. Overcast; moderate temperature; light wind.
I saw one or two Aphelocoma californica, a few Carpodacus mexicanus and a good many Passer domesticus. On the bay I saw a few Larus occidentalis and Larus heermanni.
San Francisco to Alameda, Cal.
Conditions:- 5:15 P.M. to 5:35 P.M. Clear; warm; light wind. I saw about twenty Larus occidentalis and Larus heermanni on the trip across, the former predominating.
July 24, 1904.
Alameda, Cal.
Conditions:- Clear; warm; practically no wind.
Between 7:30 a.m. and 8:30 a.m. I saw the following birds:-

Euphagus cyanocephalus. A flock of about a dozen flew by overhead to the southward.
Carpodacus mexicanus. A few in the pear trees eating the fruit.
Passer domesticus. Abundant.
Pipilo fuscus. Two in a peach tree in the yard.
Calypte anna. I saw one sucking honey from the flowers of a tree-mallow. I stood within five feet of the bird during the entire performance.

Alameda, Cal.
Conditions:- About 11:00 A. M. Hot; clear; light west breeze. I saw a good many Hirundo erythrogaster flying around high up in the air, seeming to enjoy the beautiful morning.
A few Euphagus cyanocephalus passed by high up in the air.

Alameda to San Francisco, Cal.
Conditions:- 6:00 P. M. to 7:00 P. M. Warm; clear; good west wind blowing. Tide flooding.
I saw a few Larus occidentalis and Larus heermanni on the bay.

July 25, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 A. M. to 8:00 A. M. Overcast; slightly cold; good west wind blowing.
I saw a small flock of Carpodacus mexicanus pecking at the fruit on a pear tree. Passer domesticus was also on hand.

Along the marsh I saw a few Melospiza cinerea. On the sand near the roundhouse there were about ten small shore birds—probably sandpipers. There was also a large flock of gulls. I was sure of Larus occidentalis. One or two Ardea herodias stood at the water's edge.

On the bay I saw Larus occidentalis and Larus heermanni — in fact we ran into a large flock of them off Goat Island. In this flock I noted one gull which I took to be Larus californicus.

San Francisco to Alameda, Cal.

Conditions:— 5:15 P. M. to 5:35 P. M. Overcast; cool; good west wind blowing.

On the trip over I saw the following gulls. Larus occidentalis common; Larus californicus, about three; Larus heermanni, about ten. On the sand near the roundhouse there was a flock of about 200 gulls— I distinguished Larus occidentalis —, and a few small shore birds.

Flying low over the marsh there were some large Limicolae, probably curlew.

At about 7:00 P. M. in Alameda — conditions the same:— I saw three or four Hirundo erythrogaster flying about in the air. In my back yard I saw a Calypte anna (?) darting about.

July 26, 1904.

Alameda to San Francisco, Cal.

Conditions: 7:00 A. M. to 8:00 A. M. Cool; overcast; good west wind blowing.

I saw a few Carpodacus mexicanus in the yard; also a good many Passer domesticus.

Along the seawall there were a few gulls. I saw a flock of birds flying swiftly westward, probably cuckoos. Along the mole there were a great many gulls, some of which I distinguished as Larus occidentalis.

On the bay a few gulls followed the steamer across. They were Larus californicus and Larus occidentalis. Larus heermanni kept at a distance.

San Francisco to Alameda, Cal.

Conditions: 5:15 P.M. to 6:15 P.M. Overcast; cool; west wind blowing.

On the trip over I saw only a few gulls owing to my unfavorable position. They were either Western or California.

Along the seawall north of Oakland Creek there were great numbers of gulls. At the roundhouse also I saw a flock of 100 or 150. Here also I saw a few sandpipers.

At home I saw some Passer domesticus and three or four Hirundo erythrogaster.

July 27, 1906.

Alameda to San Francisco, Cal.

Conditions:- 7:00 a.m. to 8:00 a.m. Warm; light west wind; overcast in eastern part of Alameda; clear on bay.

I saw a few Carpodacus mexicanus in a pear tree in the back yard. On the way to the train I saw a few Hirundo erythrogaster flying about, and a good many

Passer domesticus.

Along the seawall I saw a few Nycticorax nycticorax and a good many gulls.

In a slough near the roundhouse I saw one snipe, on the marsh a flock of about fifty curlew or godwit. On the beach at the junction there were a few sandpipers. From two to three hundred gulls were strung out in groups along the bare sand beside the mole. Larus occidentalis and Larus californicus were distinguished.

On the bay I saw only a few gulls — Larus occidentalis, Larus californicus, and Larus heermanni.

San Francisco to Alameda, Cal.

Conditions: 5:15 P.M. to 5:35 P.M. Clear; warm; light west wind.

On the trip over I saw only a few Larus occidentalis owing to my unfavorable position. At the roundhouse there was a flock of about 50 gulls — Larus occidentalis was among them. About a dozen sandpipers were also busy feeding on the sand.

Alameda, Cal.

Conditions:- 7:15 P.M. Clear; warm; no wind.

An Aphelocoma californica was perched in a pear tree busily wiping his beak. Evidently he had just finished a repast on pears. One Hirundo erythrogaster flew by.

July 28, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Clear; warm; west wind.

I saw a humming-bird (calypte anna ?) sitting on a limb of a pear tree near by the house. Passer domesticus was to be seen every place. A few Nycticorax nycticorax were on the sand off the seawall. Larus occidentalis and some gulls I was unable to determine were also present.

In the vegtable gardens I noted a few Euphagus cyanocephalus on the manure piles. On the marsh there was a flocks of about fifty curlew or godwit which flew up as the train passed. On the sand at the round-house there were about 25 sandpipers and a flock of perhaps 200 gulls. Among these I distinguished Larus californicus. The majority of the birds were young, hence hard to determine. I also saw 2 Ardea herodias. While crossing the bay I saw a few Larus occidentalis and Larus heermanni. We ran past a flock of gulls on the water off Goat Island.

San Francisco to Alameda, Cal.

Conditions:- 5:15 P.M. to 6:15 P.M. Clear; warm; light wind.

I saw a few Larus occidentalis and Larus californicus on the trip over.

After I got home I saw a good many Passer domesticus and one Aphelocoma californica. The latter was busy picking at a pear in a tree and making calls at intervals. When he got through he carefully wiped his beak on a twig and then flew away.

July 29, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Clear; warm; light breeze.

I saw a few Carpodacus mexicanus in a pear tree in the yard, before I left for the train. Of course I saw a good many Passer domesticus all through town.

Along the seawall I saw a few gulls and a few large shore birds. In the marsh and on the mud left bare in the slough near the roundhouse there were a good many curlew.

Along the mole I saw sandpipers, two or three hundred gulls, and two Ardea herodias which flew as the train passed.

On the bay I saw a few Larus occidentalis and Larus californicus.

San Francisco to Alameda, Cal.

Conditions:- 5:15 P.M. to 6:15 P.M. Clear; excessively warm; light west wind.

I saw a few Larus occidentalis, Larus californicus, and Larus heermanni on the trip to the mole. I also saw one Uria troile.

At the roundhouse there were about forty gulls, and on the marsh nearby a flock of curlew. (?)

After I got home I saw a good many Passer domesticus, two hummming-birds and an Aphelocoma californica. This last was pecking vigorously at a pear up in a tree.

July 8, 1904.

Alameda, Cal. to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; warm; light west wind.

Passer domesticus was to be seen all through Alameda. Along the seawall there were a few gulls.

At the roundhouse I saw about 30 sandpipers on the mud. A-

long the mole there were hundreds of gulls, — I distinguished Larus occidentalis — and a few Ardea herodias. To the north of Oakland creek there was a flock of gulls which amounted to about fifty individuals.

On the bay I saw Larus occidentalis, Larus californicus, and Larus heermanni. A few of the first two species followed the ferry boat across.

San Francisco to Alameda, Cal.

Conditions: 5:15 P.M. to 6:15 P.M.

On the bay I saw about 40 Larus occidentalis and Larus californicus. Off Goat Island there were a few Uria troile.

At home I saw one hummingbird, which was sucking honey from Lavatera assurgentiflora. I saw one Pipilo fuscus on a fence; a few Carpodacus mexicanus were eating pears; and Passer domesticus was seen all over.

July 31, 1904.

Alameda, Cal.

Conditions: — clear; strong west wind in middle and latter part of the day; warm.

I saw the following birds at home during the day:-

Passer domesticus. Common.

Aphelocoma californica. One in a pear tree.

Carpodacus mexicanus. A few in pear tree.

Zamelodia melanocephala. One in fig tree.

Hirundo erythrogaster. A few flew about over head towards evening. I saw one flying over the bay. (San Leandro Bay.)

Limosa fedoa. Two flew over the street about 4:30 P.M.

Nycticorax nycticorax. A few flew by over head towards evening

Alameda to San Francisco, Cal.

Aug. 1, 1904.

Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; moderate temperature; good west wind.

I saw a good many Passer domesticus, a few Carpodacus mexicanus, and one hummingbird in the back yard before I left for the train.

At the roundhouse I saw a few large shore birds and a good many gulls. Along the mole there were a few Ardea herodias and a few gulls.

On the bay I saw a few Larus occidentalis and Larus californicus.

San Francisco to Alameda, Cal.

Conditions:- 5:15 P.M. to 5:35 P.M. Clear, warm; good west wind.

I saw a few Larus occidentalis and Larus heermanni on the trip across. Off Goat Island there were a few Uria troile. Most of them were on the water.

Aug. 2, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; moderate temperature; west wind.

I saw the following in my own yard:-

Passer domesticus. A few.

Carpodacus mexicanus. A few.

Hummingbirds. Two.

In the vicinity of the roundhouse I saw a few curlew, about four sandpipers, a few Ardea herodias, and about a hundred gulls, many of which were Larus occidentalis.

On the bay I saw Uria troile and a few Larus occidentalis and

Larus californicus.
San Francisco to Alameda, Cal.
Conditions:- 5:15 P.M. to 5:35 P.M. Clear; warm, west wind.
I saw a few Larus occidentalis, Larus californicus, and Larus heermanni on the bay.
North of Oakland Creek there were a great many gulls.
Aug. 3, 1904.
Alameda, Cal. to San Francisco, Cal.
Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; cool; west wind.
I saw the following birds on the ride to the mole:-
Passer domesticus. Common.
Sandpipers. About 30.
Ardea herodias. About eight.
Larus occidentalis. " one hundred.
" californicus. A few.
On the bay I saw Larus occidentalis, Larus californicus, and Larus heermanni. Off Goat Island three Phalacrocorax passed us. There were a few Uria troile on the water.
San Francisco to Alameda Mole, Cal.
Conditions:- 5:45 P.M. to 6:05 P.M.
I saw a few Larus occidentalis and Larus heermanni on the ride across.
Aug. 4, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; cool; west wind.
I saw a few Passer domesticus in town. Along the marsh I noted one Melospiza cinerea. At the roundhouse there were a few Larus occidentalis. North of Oakland Creek there were

about one hundred gulls on the beach.

On the bay we saw a few Larus occidentalis, Larus californicus, and Larus heermanni. They were most numerous off Goat Island. Here we also saw two Phalacrocorax coast swiftly by.

San Francisco to Alameda, Cal.

Conditions:- 5:15 P.M. to 5:35 P.M. clear; warm; west wind.

I noted a good many Larus occidentalis and Larus californicus.

To the north of Oakland Creek I noted a flock of about 300 or 400 gulls, many of which were circling about.

Aug. 5, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; cool; west wind.

I saw the following birds on the trip to the city:-

Passer domesticus in town.

Larus occidentalis, Larus californicus, and Larus heermanni on the bay. Off Goat Island, Larus heermanni was quite abundant.

San Francisco to Alameda, not Cal.

Conditions:- 5:15 P.M. to 5:35 P.M. clear; moderate temperature; good west wind.

I saw a few Larus occidentalis and Larus californicus.

Aug. 6, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; cool; west wind.

I saw the following birds on the way to the city:-

Passer domesticus

Melospiza cinerea. One or two.

On Bay { Larus occidentalis. Common.
" californicus. A few.

San Francisco to Alameda, Cal.

Conditions:- 5:15 P.M. to 5:35 P.M. Clear; moderate temperature; west wind.

I noted a few Larus occidentalis and Larus californicus on the trip across.

Aug. 7, 1904.

Alameda, Cal.

Conditions:- Clear until evening, then overcast; moderate temperature. West wind from about noon on. I noted the following birds in the yard during the day.

Aphelocoma californica. A pair.

Carpodacus mexicanus. Common.

Zamelodia melanocephala. Three or four.

Passer domesticus. Common.

Hummingbirds. Two or three.

We caught the first three species all in the act of destroying fruit on pear trees.

Aug. 8, 1906.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; cool; west wind.

I saw quite a few Passer domesticus on my way to the train. I noted two or three young birds on a fence. Along the strip of sand near the roundhouse I saw a few large shore birds. Here also there was a considerable flock of gulls, principally Larus occidentalis.

San Francisco to Alameda Mole, Cal.
Conditions:- 5:15 P.M. to 5:35 P.M. Rather overcast; cool; west wind.

I saw a few Larus occidentalis and Larus californicus during the trip across. The scarcity of Larus heermanni is noticeable.

Aug. 9, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 a.m. to 8:00 a.m. Overcast; cool; west wind.

I saw a good many Passer domesticus along the route as far as West Alameda Station. Here in the vegetable gardens I noted a few Euphagus cyanocephalus.

In the slough on the west side of the track near the roundhouse I saw a few large shore birds.

The beach along the mole was lined with gulls,— I distinguished Larus occidentalis. A few large shore birds and two Ardeas herodias in the water added to the army of birds.

On the bay I saw a few Larus occidentalis, Larus californicus, and Larus heermanni.
San Francisco to Alameda Mole, Cal.
Conditions:- 5:15 P.M. to 5:35 P.M. Overcast; cool; west wind.

Larus occidentalis, Larus californicus, and Larus heermanni occurred quite frequently during the entire trip. The last-named species was particularly abundant. Its rendezvous seems to be off Goat Island, although I saw individuals at both ends of the route. On the south side of Goat Island there were a few gulls on the water.

A flock of about ten Uria troile flew swiftly by the island headed seaward. To the north of Oakland Creek

there was a good sized flock of gulls. In the slough and on the beach near the roundhouse there was a large flock of gulls — many were Larus occidentalis — and a few large shore birds.

Alameda, Cal.

Conditions:- 7:30 P.M. Conditions the same.

A few Nycticorax nycticorax came flapping by over the house every few minutes from the rookery upon High St.

Aug. 10, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 a.m. to 8:00 a.m. Cold; overcast; west wind.

I saw a few Passer domesticus in a pear tree, and a good many on the street.

Near the roundhouse I saw a few large shore birds and a great many gulls, among which I saw Larus occidentalis. A bunch of about seven Ardea herodias stood in the shallow water. Two flew as the train passed.

To the north of Oakland Creek there were a good many gulls on the strip of sand back of the seawall.

On the bay, I saw Larus occidentalis, Larus californicus, and Larus heermanni; this last principally off Goat Island.

San Francisco to Alameda, Cal.

Conditions:- 5:15 P.M. to 5:35 P.M. Overcast; cool; west wind.

I saw a few Larus occidentalis on the wing while crossing the bay. Two or three small flocks of Uria troile passed by

Goat Island headed seaward. Southeast of the island I saw three on the water.

Along the mole near the roundhouse, there were two or three large shore birds and hundreds of gulls.

This morning at about 6:30, (weather conditions the same as above named), I went to the beach at the foot of Pine Street. There was a small flock of Squatarola squatarola about fifty yards out from the pontoon to which we tie our boats.

This evening about 7:30 I noted several Nycticorax nycticorax passing over.

Aug. 11, 1904.

Alameda to San Francisco, Cal.

Conditions :- 7:00 A.M. to 8:00 A.M. [illegible]

I saw in my backyard this morning the following birds:-

Carpodacus mexicanus. A few.

Passer domesticus. A few.

Xanthocephalus melanocephala. Two.

On my way to the train I saw one Hirundo erythrogaster flying about.

Along the mole I saw two large shore birds, five Ardea herodias, and a great many gulls, among which I distinguished Larus occidentalis.

To the north of Oakland Creek I saw a few gulls. On the bay a few Larus occidentalis and Larus heermanni were seen. There were a few gulls on the water off Goat Island.

San Francisco to Alameda, Cal.

Conditions:- 5:45 P.M. to 7:15 P.M. Clear; warm; light west wind.

On the trip across the bay this evening I saw a few Larus occidentalis and Larus heermanni. To the south of Goat Island I saw one Uria troile on the water.

This evening about seven o'clock I noted a few Nycticorax nycticorax passing over the street.

Aug. 12, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Clear; warm; west wind.

I saw a few Carpodacus mexicanus and Passer domesticus in my back yard.

In the vegetable gardens I noted a few Euphagus cyanocephalus. Near the roundhouse I saw a few large shore birds and a great many gulls — Larus occidentalis and Larus californicus. I saw only one Ardea herodias. There were a few gulls north of Oakland Creek.

On the bay I saw a few Larus occidentalis, Larus californicus, and Larus heermanni; also two or three Uria troile on the water.

San Francisco to Alameda, Cal.

Conditions:- 5:45 P.M. to 6:05 P.M. Clear; warm; west wind.

I noted a few Larus occidentalis, Larus californicus, and Larus heermanni. The first named bird hangs around the docks, and I have also observed a few following the steamers occasionally during the last week or two.

Aug. 13, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 A.M. to 8:00 A.M. clear; warm; west wind.

I noted a few Passer domesticus and Carpodacus mexicanus in the back yard. Near the station I saw an Hirundo erythrogastra on a telegraph wire.

In the slough near the roundhouse and along the mole I saw a few shore birds. Along the mole there were many gulls and a few Ardea herodias. I distinguished Larus occidentalis and Larus californicus. As the train passes these birds often take to wing, but usually they make a ridiculous attempt at running; usually going along partly sidewise, carrying with them whatever they may be trying to devour.

North of Oakland Creek, there were only a few gulls — that is down near the light house.

On the bay I noted a few Larus occidentalis and Larus heermanni.

San Francisco to Alameda, Cal.
Conditions:- 5:15 P.M. to 6:00 P.M. clear; warm; west wind.

Mr. Loomis and I observed a few Larus occidentalis and Larus californicus during the trip across. The latter were on the water off Goat Island.

North of Oakland Creek there were many gulls, both near the light house and the freight slip.

On the south side of the mole near the roundhouse there were a good many gulls — Larus occidentalis identified. As the train passed along the marsh, an owl, probably Asio accipitrinus flew by.

The following birds were all prepared by me previous

to Aug. 14, 1904. They were all destroyed by the great conflagration of April 18-20, 1906.

C.A.S. No.					
20389	Ptychoramphus aleuticus	♂	San Benito Is., B.C.	May 7,	1903.
20420	Cerorhinca monocerata	♀	Socorro, Revill. Is. (2 mi W.)	June 30,	"
20433	"	"	♂ "	"	". May 28, 1903.
20453	Diomedea nigripes	♀	35°20' N. 135°32' W.	Aug. 3,	"
20462	Puffinus chlororhynchus	♂	San Benedicts, Revill. Is.,	May 15,	03.
20464	"	"	♂ "	"	" 22 "
20465	"	"	♂ "	"	" 25 "
20469	"	"	— "	"	" 17 "
20473	"	"	♀ "	"	" 19 "
20474	"	"	♂ "	"	" 20 "
20475	"	"	♀ "	"	" 24 "
20486	"	"	♂ "	"	" 18 "
20487	"	"	♂ "	"	" 25 "
20489	"	"	♂ "	"	" 16 "
20495	"	"	♂ "	"	" 19 "
20496	"	"	♀? "	"	" 14 "
20497	"	"	♀ "	"	" 19 "
20498	"	"	♀ "	"	" 22 "
20518	"	"	♂ "	"	" 25 "
20519	"	"	♂ "	"	" 20 "
20520	"	"	♂ "	"	" "
20528	"	"	♀ "	"	" 25 "
20529	"	"	♂ "	"	" 18 "
20530	"	"	♂ "	"	" 19 "
20551	"	"	♀ "	"	" "

20552 Puffinus chlororhynchus ♂ San Benedicto, Revill. Is., May 25, 1903.
20553 " " ♂ " " " " " " "
20554 " " ♀ " " " " " 20 "
20555 " " ♂ " " " " " " "
20624 " opisthomelas ♀ " Benito Is., B.C., Mex. " 7 "
20821 Sula brewsteri ♂ San Benedicto, Revill. Is. May 24, 1903.
20822 " " ♂ " " " " " 19, "
20829 " " ♂ " " " " " 16, "
20830 " " ♂ " " " " " 21, "
20831 " " ♂ " " " " " 19, "
20836 " " ♀ " " " " " 22, "
20848 " " ♀ " " " " " 16 "
20855 " " ♀ " " " " " 22 "
20856 " " - " " " " " 24 "
20858 " piscator ♂ " " " " " 22 "
20868 " " ♀ Clarion, " " July 6, "
20869 " " - " " " " 7 "
20887 " " ♀ San Benedicto, " " May 16, "
20891 Heteractitis incanus ♂ Socorro, " " " 25, "
20905 Arenaria melanocephala - San Martin I., B.C., " 3, "
20949 Zenaidura graysoni ♂ Socorro, Revill. Is., June 3, "
20976 Mimodes graysoni ♂ " " " " 20, "
20996 Falco peregrinus ♀ San Benito Is., B.C., Mex. May 6, 1903.
21020 Icterus holochlorus ♂ Socorro, Revill. Is., June 3, 1903.
21027 " " ♂ " " " " 4, "
21051 Icterus corax ♂ Clarion " " July 6, "
21052 " " ♂ San Benito Is., B.C., May 7, 1903.
21053 " " ♂ " Benedicto, Revill Is., May 19, 1903.
21054 " " ♂ " " " " 17, "

21160 Minodes grayson ♂ Socorro, Revill. Is., June 20, 1903.
22887 Phalaropus lobatus ♀ Alameda, Cal., May 6, 1904.
22901 Pelidna alpina ♀ " " " 9 "
22904 Numenius hudsonicus ♀ Alameda, Cal. May 6, 1904.
22905 " " ♂ " " " 4 "
22906 " " ♀ " " " " "
22907 " " ♂ " " " " "
22915 Hydrochelidon nigra ♀ Las Palos, Cal., May 12, 1904; R.H. Beck, collector
22941 Xanthocephalus xanthocephalus ♂ " " " " " " "
22943 Melospiza cinerea ♂ Tomales Bay, Cal., May 22, 1904; J. Van Denburgh, "
22944 " " ♂ " " " " " " " "
22946 Passer domesticus ♀ Alameda, Cal., April 17, 1904.
22947 Sterna forsteri ♀ " " " 24, "
22948 " " ♀ " " May 1, "
23299 Petrochelidon lunifrons ♂ " " July 3, "
23302 Melospiza cinerea ♀ " " " 14 "
23303 " " ♀ " " " " "
23304 " " ♀ " " " 17 "
23305 " " ♀ " " " " "
23332 Carpodacus mexicanus ♀ Alameda, Cal., Aug. 7, 1904.
23333 " " ♂ " " " " "
23334 " " ♀ " " " " "
23335 Zamelodia melanocephala ♂ " " " " "
23336 " " ♀ " " " "

Aug. 14, 1904.
Alameda, Cal.
Conditions:- Rather overcast; warm; light west wind.
I started out at 8:05 a.m. and went along the south shore

in my boat as far as Walnut Street. There were a few gulls Larus occidentalis and Larus philadelphia. I saw about six of the former and about twenty of the latter. I shot two Larus philadelphia. One had tuberculosis; this was exhibited by the numerous tubercles on the intestines; it was a female. The two birds I shot were adults. I saw only one hooded bird. These flew only when forced to. None were very fat. Were they invalids or were they the forerunners of the migration? Both these birds and the Larus occidentalis decoyed readily to their wounded companions.

About ten o'clock I returned to San Leandro Bay; I saw one duck on the water between the railroad and the Bay Farm Island bridges.

I walked down the S. P. R. R. track as far as the first curve. I saw one curlew in a slough and several south of the railroad track. A flock of about twelve ducks flew across high up in the air.

After returning to the end of the railroad bridge I proceeded into Seal Slough. Here I saw a few large shore birds probably curlew. From here I proceeded into the next slough to the north of it. Here I saw and shot one Ereunetes occidentalis, Aegialitis semipalmata, and Macrorhamphus scolopaceus.

I saw a few Larus philadelphia, a few Squatarola squatarola, two or three Ardea herodias, and a few curlew or godwit. I saw perhaps one hundred Ereunetes occidentalis and about six Aegialitis semipalmata.

This afternoon I saw an Aphelocoma californica in the back yard. This evening a great many large shore birds

flew over the town going in an easterly direction. They flew in long lines high up in the air. A few Nycticorax nycticorax flew over this evening.

Aug. 15, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 9:00 A. M. to 1:00 P. M. Rather overcast in the morning; warm; west wind increasing towards 10 o'clock.

I started from the end of Bay Farm Island Bridge and went north along a very narrow channel as far as the furthest slough - that is the big one just north of Seal Slough. Here I saw a good many, and shot three Symphemia semipalmata. I also saw and shot one Macrorhamphus scolopaceus. I saw one Aegialitis semipalmata and a great many Ereunetes occidentalis and a few Actodromas minutilla. About fifty ducks flew by towards the southeast high up in the air. They came in flocks of 12 to 20. The immense expanse of mud left bare furnishes a feeding ground for hundreds of shore birds.

I saw several Larus philadelphia on the trip home. They were well out from the shore and were following a school of small fish. I saw one Nycticorax nycticorax during the day; it was in flight.

I saw an Aphelocoma californica and many Passer domesticus this afternoon.

Aug. 16, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 10:00 A. M. to 2:00 P. M. Rather overcast; warm; light west wind increasing towards noon.

I saw a few Nycticorax nycticorax flying from the rookery in a southeasterly direction. Two or three Ardea herodias were wading sedately in the shallow water; now and then one would dart its bill into the water, evidently seizing some unsuspecting prey.

I saw and shot some Ægialitis semipalmata, some Symphemia semipalmata, and other shore birds, perhaps three or four species. Ereunetes occidentalis was abundant. I saw one flock of about twenty ducks flying high; they came from the northwest.

Aug. 17, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 7:00 a.m. to 11:00 a.m. Warm; overcast; scarcely any wind.

I saw a few Nycticorax nycticorax leaving their rookery as I went down to the boat.

The birds seem to be becoming quite wary for it was difficult to get within range. I obtained a Larus californicus, a cripple, its wing having been injured.

I saw and obtained some of the following:-

Pelidna alpina; Ægialitis semipalmata; Macrorhamphus scolopaceus; Ereunetes occidentalis, abundant; Curlew, a few; Symphemia semipalmata, common; Squatarola squatarola, two or three flocks; Larus philadelphia, one on a post; Ducks, three flocks. Two alighted on the water in San Leandro Bay, unapproachable.

I observed a dark-colored hawk pursuing a curlew, the latter squawking vigorously. The shore birds on the mud showed considerable alarm.

This afternoon about 4 o'clock I rowed over to Melrose slough. I did not see a single water fowl or shore bird. I saw one hawk of the genus Falco.

Aug. 18, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 7:00 to 11:00 a. m. Warm; rather overcast; light west wind increasing towards noon.

I rowed up San Leandro slough as far as the curve in the S.P.C.R.R. track, then I went off into a small tributary slough.

In the main slough Symphemia semipalmata and Erenetes occidentalis were abundant. I saw a few snipe and curlew here also.

In the tributary slough I noted a bird ahead of me on the water, evidently a small duck. I saw three Rallus obsoletus on the bank of the slough. These birds with the exception of one seemed very curious about me, for they stood silently regarding me until I fired. Curlew were very abundant on the marsh in near vicinity. I also saw a few Melospiza cinerea and a good many Hirundo erythrogaster.

In going out of the large slough I drifted near to a flock of Symphemia semipalmata on the mud; they paid very little attention to me but kept on feeding. They act somewhat in the manner of chickens. One would obtain something and another would try to snatch it away.

Aug. 19, 1906.

San Leandro Bay, Alameda Co., Cal.

Conditions:- Time, 8:00 a. m. to 12:00 a. m. Rather overcast; warm; light east wind in early morning; then light west wind.

I went up the large slough north of San Leandro slough.

Aug. 19, 1904.
San Leandro Bay, Alameda Co., Cal.
Conditions:- 8:00 a.m to 12:00 a.m. Warm; rather overcast; light east wind in early morning, then light west wind.

I went up the large slough north of San Leandro slough. Here and in the adjacent marsh I saw and shot the following birds:-
Symphemia semipalmata. common.
Macrorhamphus scolopaceus. A few.
Totanus melanoleucus. Three
Ereunetes occidentalis. Common.
Curlew. Common.
Squatarola squatarola. Common.
Hirundo erythrogaster. A few.
Melospiza cinerea. Common.
Gulls. A few high in the air.

In Melrose slough I saw the following:-
Ereunetes occidentalis. Common.
Actodromas minutilla. A few.
Aegialitis semipalmata. Common.
Pelidna alpina. One.
Snipe. A few.
Squatarola squatarola. Common.
Symphemia semipalmata. "
Nycticorax nycticorax. A few.
Ardea herodias. 2 or 3.

I noted a few Symphemia semipalmata bathing in the shallow water after the manner of pigeons. I also saw Aegialitis semipalmata bathing. It act about the same as Passer domesticus does when bathing.

I saw one Rallus obsoletus in [illegible]

Passer domesticus is very abundant in town. I saw one Pipilo fuscus on High Street this evening. My attention was attracted to it by its bell-like note.

Aug. 20, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 11:00 a.m. to 4:00 P.M. Clear; warm; westwind increasing towards afternoon.

In Melrose slough I saw the following birds:-

Aegialitis semipalmata. Common.

Actodromas minutilla. A few.

Ereunetes occidentalis. Common.

Numenius hudsonicus. A few.

Limosa fedoa. A few.

Symphemia semipalmata. Common.

Ignatarola agnatarola. Common.

Rallus obsoletus. A few.

Nycticorax nycticorax. A few.

Ardea herodias. A few.

Hirundo erythrogaster. A few.

Snipe. A few.

The Numenius hudsonicus had several small crabs in its gizzard.

Aug. 22, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 7:00 a.m. to 9:30 a.m. Overcast; cool; light west wind.

Along the east shore of Alameda north of the S.P.C. R.R. bridge

I saw a good many Symphemia semipalmata, two or three snipe, and two or three Numenius hudsonicus.

In Melrose slough I saw:-

Squatarola squatarola. A few.
Symphemia semipalmata. Common.
Aegialitis semipalmata. Common.
Ereunetes occidentalis. Abundant.
Actodromas minutilla. Common.
Numenius hudsonicus. A few.
Snipe. Three.

As the tide flooded the birds gradually disappeared, there being no longer any mud exposed. I saw three large flocks of ducks numbering about sixty in all.

Aug. 23, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 7:00 A.M. to 11:00 A.M. Overcast; warm; no wind.

In the slough north of San Leandro slough I saw, and shot some of the following birds:-

Tringa canutus. One
Totanus melanoleucus. One.
Rallus obsoletus. Common.
Symphemia semipalmata. Common.
Ereunetes occidentalis. Common.
Pelidna alpina. One.
Squatarola squatarola. Common.
Snipe. A few.
Ducks (In flight.) Two large flocks.
Numenius hudsonicus. A few.
Aegialitis semipalmata. A few.

Melospiza cinerea. Common.
Ardea herodias. A few.
In San Leandro slough, I saw:-
Nycticorax nycticorax. A few.
Macrorhamphus scolopaceus. A few.
Eremetes occidentalis. A few.
Symphemia semipalmata. A few.
Squatarola squatarola. A few.
Ducks. (In flight) One large flock.

The large plovers (Squatarola squatarola) have a pigeon-like flight. Some had very marked black bellies.

Totanus melanoleucus has the habit of bobbing its head when alarmed.

At home I observed the following:-
Hirundo erythrogaster. A few near the shore of the bay.
Passer domesticus. Abundant.
Aphelocoma californica. Heard one in back yard about 11:30 A.M.

Both of the Rallus obsoletus taken were young birds, the down being still on the wings.

Aug. 24, 1904.
San Leandro Bay, Alameda Co., Cal.
Conditions:- 7:00 A.M. to 11:00 A.M. Overcast; warm; no wind.

In the large slough between Bay Farm Island and the mainland, I saw a few Actodromas minutilla, also one Rallus obsoletus.

In the large slough north of San Leandro slough, I

saw the following birds:-
Ardea herodias. Ten.
Symphemia semipalmata. Common.
Aegialitis semipalmata. A few.
Ereunetes occidentalis. Abundant.
Squatarola squatarola. Common.
Actodromas minutilla. A few.
Numenius hudsonicus. " "
Snipe. A few.
Ducks. A large flock from the southeast stopped for a while on the water in the open bay.
Melospiza cinerea. Common.
Geothlypis trichas. A few.
Ceryle alcyon. Saw one near foot of street on railroad bridge.
Melrose Slough: 4:00 P.M. to 6:00 P.M. Clear; warm; light N.W. wind.
I saw the following birds:-
Actodromas minutilla. Common.
Ereunetes occidentalis. Abundant.
Aegialitis semipalmata. Common.
Limosa fedoa. Two or three.
Symphemia semipalmata. Common.
Squatarola squatarola. A few.
Numenius hudsonicus. A few.
Ardea herodias. A few.
Nycticorax nycticorax. A few.
Rallus obsoletus. Common.
Larus californicus. Saw and shot one near the mouth of

the slough as we were coming out.

I saw at home to-day, a great many Passer domesticus and one Aphelocoma californica.

Aug. 25, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 3:30 P.M. to 7:00 P.M. Rather overcast; warm; west wind.

In San Leandro slough and the slough to the north of it, I saw and shot some of the following birds:-

Squatarola squatarola. Common.

Symphemia semipalmata. "

Numenius hudsonicus. " . We saw three or four flocks of about ten each of these birds flying across the S.P. R.R. trestle just at dusk. They came from the direction of San Francisco Bay.

Limosa fedoa. Common. I got five out of a passing flock of about a dozen.

Snipe. A few.

Ereunetes occidentalis. Common.

Actodromas minutilla. A few.

Nycticorax nycticorax. A few.

Rallus obsoletus. A few.

Ardea herodias. A few.

Aug. 26, 1904.

San Leandro Bay, Alameda Co, Cal.

Conditions: - 3:30 P.M. to 7:00 P.M. Clear; warm; west wind gradually dropping towards 6:00 P.M.

We went into the deep slough dividing Bay Farm Island

from the mainland. Here we saw a good many Numenius hudsonicus and Nycticorax nycticorax. One Numenius hudsonicus which I shot on a bank was very fat, in fact so much so that fat oozed out through the shot holes on to the feathers.

I saw a few Actodromas minutilla, a few Symphemia semipalmata, two Rallus obsoletus, one of which I got, and two Erismatura jamaicensis, one of which I took also. These two ducks did not seem very wary, for we sailed up quite close to them.

Aug. 27, 1904.
San Leandro Bay, Alameda Co., Cal.
Conditions:- 9:00 a.m. to 12:00 a.m. clear; warm; west wind.
I saw the following birds:-
Rallus obsoletus. A few. Some bathing in the water.
Numenius hudsonicus. A few.
Ereunetes occidentalis. Common.
Actodromas minutilla. Common.
Squatarola squatarola. "
Symphemia semipalmata. "
Aegialitis semipalmata. "
Ardea herodias. A few.

Aug. 29, 1904.
Alameda, Cal. to San Francisco, Cal.
Conditions:- 7:00 a.m. to 8:00 a.m.; clear; warm; west wind.
Passer domesticus was common in town.
Along the seawall near 5th St. there were a good many gulls. The same was true along the mole. They were mostly Larus occidentalis and Larus californicus. I saw two Ardea herodias.

On the bay I saw ~~two~~ Larus occidentalis and Larus californicus and Larus heermanni. Larus californicus was commonest.

San Francisco to Alameda, Cal.

Conditions:— 5:15 to 5:35 P. M. Clear; warm; windy.

I saw a few Larus occidentalis, Larus californicus, and Larus heermanni.

Aug. 30, 1904.

Conditions:— 7:00 A. M. to 8:00 A. M. Warm; clear; west wind.

As I went down the street I noted a male and female Calypte anna on a telephone wire. Suddenly another bird (probably a male) darted up and drove the male on the wire away. The successful rival returned and perched on the wire. It opened its bill and made sort of a squealing noise, gradually edging up to the female. Finally they darted away, one in pursuit of the other.

Near Park St. I saw another humming bird on a telephone wire. Passer domesticus were abundant.

I saw only three gulls off the seawall near 5th St.

Along the mole there were three or four hundred gulls— principally Larus occidentalis and Larus californicus. A few Ardea herodias were present, some flying as the train passed.

On the bay I saw Larus occidentalis, Larus californicus, and possibly Larus heermanni. The second species most abundant. Young birds of first two in dark plumage abundant.

San Francisco to Alameda, Cal.

Conditions:— 5:15 to 5:35 P. M. Clear; warm; west wind.

I saw a good many Larus occidentalis and Larus californicus on the trip across; the former principally off Goat Island. The latter was abundant during the whole trip.

Aug. 31, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Clear; warm; west wind.

In Alameda I saw the following birds:- Passer domesticus, common; Hirundo erythrogaster, one in flight; Calypte anna, two or three on wires; Euphagus cyanocephalus, about 30 near Versailles Station.

Along the mole:-

Ardea herodias. A few.

Larus occidentalis and Larus californicus. About 400 or 500.

On the bay:-

Larus occidentalis. A few.

" californicus. Common.

No Larus Heermanni.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 6:15 P. M. Clear; warm; west wind.

On the bay:- Larus occidentalis and Larus californicus.

At home:- Passer domesticus; Calypte anna, young bird passing into adult plumage.

Sep. 1, 1904

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; cool; west wind.

In town I saw a good many Passer domesticus.

Along the mole there were 200 or 300 gulls—principally californicus. A few Larus occidentalis were there.

On the bay I saw a good many of the two above named.

species. Two or three Uria troile were on the water off Goat Island.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 5:35 P.M. Clear; warm; west wind.

I noted a few Larus occidentalis and a good many Larus californicus (young birds common) on the trip across.

I counted seven Uria troile on the water. One which looked like a young bird was in company with an adult. I saw a Phalacrocorax near the mole.

Sep. 2, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M. Low fog, not very thick; cool; west wind.

Passer domesticus was common in town. On the bay there were a good many Larus californicus and a few Larus occidentalis. Young birds in dark plumages are common. No Larus heermanni are seen.

Off Goat Island I noted two water birds on the water which appeared to be grebes.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 6:15 P.M. Clear; warm; west wind.

The remarks made about the birds on the bay in the morning apply also for the evening trip, except that I saw no grebes.

At home I saw an Aphelocoma californica.

It was sitting in an apricot tree calling.

Sep. 3, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M. Very warm; hazy; west wind.

On the trip I saw a few Larus occidentalis, a good many Larus californicus and a few Rissa tridactyla (?) This last I have seen for the last few days but took it for Larus californicus until I got a very close look. A good many gulls followed in the wake of the boat.

A Phalacrocorax passed us off Goat Island; it flew quite low along the water.

I noted a flock of about 30 ducks high up in the air. They were going SE.

San Francisco to Alameda, Cal.

Conditions:- 5:15 & 5:35 P.M. Clear; warm; west wind.

On the trip across this evening I saw the following birds:- Larus heermanni, three adults; Larus occidentalis, a few; Larus californicus, common; Rissa tridactyla, a few.

The last two follow the ferry boats as the lookout for anything thrown overboard.

Off Goat Island I saw one Uria troile on the water.

Sep. 4, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 7:00 to 12:00 A.M. Clear; warm; west wind.

The following birds were observed:-

Squatarola squatarola. Common. Many black-bellied.

Aegialitis semipalmata. One.

Symphemia semipalmata. A few.
Totanus melanoleucus. Four.
Numenius hudsonicus A few.
Limosa fedoa. Common.
Ereunetes occidentalis. Abundant.
Actodromas [illegible]
Ardea herodias. Five.
Geothlypis trichas. One.
Telmatodytes palustris. Two.
Melospiza cinerea. A few.
At home
12:30 A.M. to 5:15 P.M.
Pipilo fuscus. One
Calypte anna. One
Passer domesticus. Common.
Nycticorax nycticorax. An unusual flight at 5:15 P.M.
Sep. 5, 1904.
Alameda, Cal.
Conditions:- 8:00 to 12:00 A.M. Clear; hot.
At home I noted the following:-
Passer domesticus. Common.
Carpodacus mexicanus. A few.
Calypte anna. A few.
Astragalinus. Two.
Aphelocoma californica. Two.
Ceryle alcyon. One at the foot of the street.
Sep. 5, 1904.
Slough dividing Bay Farm Island from mainland, Alameda Co. Cal.

Conditions:- 1:00 to 6:00 P.M. Clear; hot; west wind.
Birds very scarce, I saw not more than a dozen in all, the most being Actodromas minutilla. I saw [illegible] pusilla.

Sep. 6, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Clear; hot; no wind.
A good many Passer domesticus in town.
On the bay I saw about thirty Larus heermanni; Larus californicus, abundant; Larus occidentalis, a few. Uria troile, two; one of these birds made [illegible] like a baby's cry. One cormorant.

Sep. 7, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Clear; hot. (Temperature at 2:30 P.M. - [illegible])
In town - Passer domesticus.
On bay - Larus occidentalis - a few.
" californicus common.
" heermanni. About ten.
Uria troile. One.

San Francisco to Alameda, Cal.
Conditions:- 5:15 to 5:45 P.M.
On bay (bad position). A few Larus heermanni.
In town. Euphagus cyanocephalus. About twelve.
Passer domesticus.

Sep. 8, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Clear; hot. (Temp. at 2:30 P.M. - 100° F.)

The atmosphere has been very smoky for the last two days owing to large forest fires nearby.

I saw the following birds:- In town, Passer domesticus. Along the mole:- Ardea herodias, a few; gulls about 200.

On the bay:- Larus occidentalis, a few; Larus californicus, common; Larus heermanni, a few.

It is very doubtful whether I saw any Pisobia bairdii-dactyla the other day. There are gulls on the bay other than the three above-named, but I do not know what they are. Mr. Henshaw says some are Larus delawarensis.

San Francisco to Alameda, Cal.

Conditions:- 5:45 to 6:15 P.M. Very smoky; hot.

The remarks made on the bay birds for the morning apply also for the evening.

Near the vegetable gardens I saw a few Euphagus cyanocephalus.

Sept. 9, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 7:00 A.M. to 11:30 A.M. Warm; smoky; west wind towards noon.

Birds were remarkably scarce. The following were seen:-

Totanus melanoleucus. Three or four.
Symphemia semipalmata. A few.
Limosa fedoa. Thirteen.
Ereunetes occidentalis. Common.

Actodromas minutilla. A few.
Squatarola squatarola. A few.
Macrorhamphus scolopaceus. Two.
Ardea herodias. A few.
Rallus obsoletus. One.
Melospiza cinerea. A few.
An Uria troile (young) was killed near Bay Farm Island Bridge.
At home - rest of day.
Nycticorax nycticorax.
Passer domesticus.

Sep. 10, 1904
Alameda to San Francisco, Cal.
Conditions:- 7:00 A.M. to 8:00 A.M. Cool; overcast; west wind.
Along the R.R. route through town I saw a good many Passer domesticus.
On the exposed sand to the south of the mole I saw a great many gulls, - some Larus californicus. On the water, near the mole two birds dived as the train passed. I think they were either Aechmophorus occidentalis or Gavia pacifica.
On the bay a good many gulls followed the ferry boat across, among these were some Larus californicus, the others I do not know. I saw a few Larus heermanni and no Larus occidentalis.
Three Phalacrocorax passed us off Goat Island, they were going S.E.
San Francisco to Alameda, Cal.

Conditions:- 5:15 to 5:45 P.M. Slightly overcast; cool; west wind.

On the bay I saw one Larus occidentalis, a good many Larus californicus, a few Larus heermanni, and some smaller gulls.

Near S.P. R.R. Station I saw a large flock of Euphagus cyanocephalus on flight.

Sept. 11, 1906.

Bay and marsh in vicinity of Alameda, Cal.

Conditions:- 6:00 A.M. to 2:00 P.M. Cool; overcast; west wind; increasing towards noon.

As we were passing out through the streets into San Francisco Bay, I noticed that a few sandpipers were passing in and a good many curlew or godwit passing out.

Outside I saw the following birds:-

Larus californicus. Common. Mostly young birds. Some just passing from juvenile to adult plumage.

Larus delawarensis. A few.

Sterna. I saw a flock of about ten flying from the SE They were probably either Sterna maxima or Sterna elegans.

Colymbus nigricollis. I saw a good many small flocks of these on the water particularly off the southern shore of Bay Farm Island.

Ducks. I saw one flock flying high in the air toward the SE.

Ardea herodias. A few.

Phalacrocorax. A few.
In marsh:-
Nycticorax nycticorax. A few.
Rallus obsoletus. One.
We heard these birds as we were going [illegible].
Cathartes aura. One sailing over the marsh.
At home:-
2:00 to 6:00 P.M.
Passer domesticus. A few.
Calypte anna. One.
Sep. 12, 1906.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. cool; overcast; west wind.
Passer domesticus was in evidence in town.
Along the mole and in the bay I saw a good many Larus californicus. On the bay I also saw a few Larus delawarensis and Larus heermanni. This last named species follows the boat at a good distance, while the other two come quite close. A flock of ducks passed high in the air, going SE.
San Francisco to Alameda, Cal.
Conditions:- 5:15 to 5:45 P.M. Rather overcast; cool; west wind.
I saw a good many Larus californicus, a few Larus delawarensis and a few Larus heermanni on the trip across.
I saw a flock of about 12 Euphagus cyanocephalus pass by high overhead near 5th St. Station.
Sep. 15, 1907.

Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Overcast; cold; west wind.

A good many Passer domesticus were seen.

Along the mole I saw the following birds:-
Gulls. Several, too far off to identify; most resting on the water.
Ardea herodias. Six in water.
Loons (probably Gavia pacifica). Two on water.
Curlew or godwit. Flying high parallel to the mole.

On the bay I saw the following:-
Larus californicus, common.
" delawarensis, a few.
" heermanni, a few.

San Francisco to Alameda mole, Cal.
Conditions:- 5:15 P.M. to 5:35 P.M. Overcast; cool; west wind.

The following birds were observed:-
Larus occidentalis. Two. One near the docks; the other off Goat Island.
Larus californicus. Common. Young abundant.
" delawarensis. A few.
" heermanni. A few.
Sterna forsteri(?) One or two of drift off Goat Island.

Mr. Henshaw says he saw a few Larus delawarensis, one Larus occidentalis and a flock of terns off Goat Island.

Sep. 14, 1904.

Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Cold; overcast; and rather foggy with weak wind.

Passer domesticus was quite abundant on the street this morning as I went to the train. As the tide was well in there were no birds along the mole.

On the bay I saw a good many Larus californicus, which along with an occasional Larus delawarensis kept quite close to the boat, evidently on the lookout for refuse. Off Goat Island an adult Larus heermanni crossed our bows, while several jaegers passed a good distance ahead. Among these I am sure of some Stercorarius pomarinus. As yet the water did not appear to be perturbed by the passing of the steamer. I saw no Larus occidentalis. Away to the south of Goat Island I saw a bird, which from its manner of flight appeared to be a gull. I could see it only dimly through the mist as it rose and fell over the rough sea stirred up by the wind. The jaegers also were proceeding in a southerly direction. They did not appear to be after anything in particular.

San Francisco to Alameda mole, Cal.
Conditions:- 5:15 to 5:35 P.M. Same as in morning.

A good many white-headed Larus californicus were seen among the young birds, also a few Larus delawarensis. To the south of Goat Island an Uria trolle rose from the water to shake itself. On a pile at the mole a Larus californicus sat until the boat was within a few feet of it.

Sep. 15, 1904
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Cool; overcast; light west wind.

A few Passer domesticus were seen on the way to the train, also one Calypte anna. Off the seawall near 3rd St. I saw a young Larus californicus on the water. On the water near the roundhouse there were about a hundred gulls, mostly Larus californicus.

On the bay I saw a few Larus heermanni, a few Larus delawarensis, and a good many Larus californicus.

San Francisco to Alameda, Cal.
Conditions:- 5:15 to 5:35 P.M. Clear; moderate temperature; west wind.

Along the wharves I noted a good many Larus californicus, a few Larus delawarensis, and a few (Larus heermanni, mostly young birds.) Larus delawarensis appeared commonly and Larus californicus abundantly on the trip across.

There were a great many gulls on the strip of beach north of Oakland Creek. I saw one Larus occidentalis on the piles at the mole.

Sep. 16, 1904
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Cool; overcast; west wind.

I saw a few Passer domesticus in town; while in the vegetable gardens I saw a few Euphagus cyanocephalus. A flock of about forty ducks passed over the end of

High Street.

On the bay I saw a few Larus heermanni, a few Larus delawarensis, and a good many Larus californicus. On a pile at the mole I saw once Larus occidentalis, an adult bird.

San Francisco to Alameda mole, Cal.

Conditions:- 5:15 to 5:35 P. M. Partly clear; cool; west wind.

I saw a few Larus delawarensis, a few Larus heermanni, and a good many Larus californicus. Near the mole about a dozen terns came by from the beach north of Oakland Creek.

My father reports seeing a flock of about 40 terns in San Leandro Bay this afternoon.

I saw a good many large shore birds on the marsh near the roundhouse.

Sep. 17, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 a. m. Cool; overcast; good west wind

Passer domesticus was in evidence as I went to the train. Along the marsh there were a few large shore birds. As we were going around the curve at the roundhouse, an Ardea herodias tried to cross ahead of the engine; but as it was going too fast, the bird turned back and gracefully alighted on a post in the water. I noted a bird on the water, probably a loon.

On the piles at the mole I saw a few Larus californicus and two Larus occidentalis. On the trip across Larus californicus was abundant and Larus delawarensis common. A good many birds of both species fol-

lowed the steamer across. About half of these left us as we passed the steamer going to Alameda and followed her back. When anything is thrown overboard, half a dozen or more of the birds swoop down for it. The successful bird is usually pursued by two or three of its comrades.

San Francisco to Alameda mole, Cal.

Conditions:- 5:45 to 6:00 P. M. level; overcast; west wind.

Larus californicus, common.

" delawarensis, a few.

" heermanni, two.

Sterna ——. Two fishing off Goat Island.

Sep. 18, 1904.

San Francisco and San Leandro Bays, adjacent to Alameda, Cal.

Conditions:- 6:00 a. m. to 2:00 P. M. Partly overcast; hot; west wind after noon. The morning wind came from the east.

The first birds which we saw were a few Pacific cormorants. On a shack built over the bay at the foot of the street I saw three Euphagus cyanocephalus. While we were getting the oars, etc. into the boat, two Larus californicus flew by headed for the main bay.

On the south side of the railroad trestle we shot a young Uria troile which had strayed in. Near the east end of the trestle, a beryle alcyon sat on a telegraph wire, from which it flew occasionally, sometimes lighting on a pole, sometimes on a tie. Nearby an Icteru-

herodias stood on the trestle. We saw these birds quite frequently during our trip.

In the slough separating Bay Farm Island from the mainland we saw two or three Nycticorax nycticorax, a few Dymphaea semipalmata, and two or three Numenius hudsonicus. Near the southern end of it we saw a duck standing on a sandbar. Only one Rallus obsoletus was seen and that was swimming across a slough.

Once outside the following birds were seen:—

Colymbus nigricollis. Groups of 2 or 3 were to be seen scattered about abundantly on the glassy surface of the bay.

Larus californicus. A few decoyed to a dead willet thrown out into the air.

Phalaropus —. Two were seen on the water near the mouth of a slough.

Ducks. A few flocks came by flying high and in a southeasterly direction. One flock contained as many as fifty. They seem to follow the trend of the mountains along the bay shore, for they usually come from the northwest, keeping parallel to the range. A few single birds were seen travelling north.

Limosa fedoa. A few were seen. One shot. A large flock of these or curlew were seen travelling SE.

Numenius hudsonicus. A few were seen.

Actodromas minutilla. Several flocks of about ten each were seen. Three shot.

Squatarola squatarola. One seen on beach

Phalacrocorax. One seen way out from the bay.
Hawk. One seen circling over the water off the Union Gun club preserve.
San Leandro Slough and slough to the north of it. Also San Leandro Bay:-
Geothlypis trichas. Two.
Melospiza cinerea. Common throughout marsh.
Cathartes aura. One seen.
Hawk. One seen near Fitchburg.
Limosa fedoa. A few seen. One flock coming in from outer bay.
Numenius hudsonicus. Two or three.
" longirostris. Flock of four on mud. Easily approached.
Squatarola squatarola. Common.
Ducks. A flock of between 100 and 150 passed us near the south end of the railroad bridge. They were going southeast.
Sep. 19, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Clear; warm; no wind.
A few Passer domesticus were seen. In the marsh at the west end of town I saw an Ardea herodias. Along the mole three or four ducks got up as the steamer passed.
I rode across on the forward deck of the steamer. There were a good many gulls, adult Larus californicus on the water. Three were almost within the ferry slip. The would rise as the steamer approached. Off Goat Island a Phalacrocorax penicillatus flew across our bows within a few feet.

Here also a Larus occidentalis passed us. Larus delawarensis was common. Off the stern of one of the warships there were a great many gulls and one Uria troile. The gulls were Larus californicus, abundant; Larus delawarensis, common; Larus heermanni, three. Off Goat Island I saw three terns fishing. Just before the steamer reached the slip, five ducks passed high up in the air headed north.

San Francisco to Alameda, Cal.

Conditions:- 5:15 P.M. to 6:00 P.M. Clear; west wind; warm.

I saw one Larus heermanni, a few Larus delawarensis, and a good many Larus californicus.

Near 5th Street I saw a flock of about fifty Euphagus cyanocephalus. They came from the direction of the bay. Quite often I have observed flocks coming from the same direction and at the same time of day.

Sept. 20, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 A.M. to 8:00 A.M. Overcast; moderate temperature; west wind.

At home Passer domesticus was common; a few Euphagus cyanocephalus passed.

Along the mole I saw a good many Larus californicus.

On the bay Larus californicus was common; a few Larus delawarensis were seen; and three Larus heermanni.

I came home about 7:00 P.M. No birds were seen.

Sept. 21, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M. Overcast; cool; west wind.

Passer domesticus common as usual.

A good many Larus californicus along the route.
As I rode inside the steamer, I did not see much.
Larus californicus and Larus delawarensis were fast asleep.

San Francisco to Alameda, Cal.
Conditions:- 5:15 to 6:00 P.M. Cool; overcast; west wind.
Right off the waterfront I saw a Larus heermanni. Larus californicus was abundant and Larus delawarensis common on the trip across. South of Goat Island I saw a bird which appeared to be a Stercorarius. Near 7th St. Station I saw a few Eiphagus cyanocephalus.
Sep. 22, 1904.
San Leandro Bay, Alameda Co., Cal.
Conditions:- 6:30 to 9:00 A.M. Moderate temperature; strong SE wind all day; black storm clouds with occasional downpours of rain. The bay was quite rough; the tide coming in.
Along the Alameda shore I saw:-
Numenius hudsonicus. One.
Symatarola squatarola. A few.
Limosa fedoa. " "
Symphemia semipalmata. " "
While I was in Melrose slough, two flocks of ducks, about fifteen each passed going southeast.
I also saw the following birds:-
Larus delawarensis. Shot a young bird, which dropped, to a tern thrown on to the mud. Another young gull was seen. I am not certain of its identity.

Sterna forsteri. I saw about fifty. I shot four, which showed signs of immaturity. They were all off the mouth of the slough and in search of fish.

Aegialitis semipalmata. About eight.

Limosa fedoa. Common.

Symphemia semipalmata. Common.

Squatarola squatarola. Common.

Crenetes occidentalis. Abundant.

Actodromas minutilla. "

Nycticorax nycticorax. Two in flight.

Ardea herodias. A few.

Hawk. One in the distance.

I heard rail up in the adjacent marsh.

When a downpour of rain came the sandpipers and Aegialitis semipalmata seemed to enjoy it. They would ruffle up their feathers to allow the water to get in between. I saw a good many bathing in pools.

Sep. 23, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 a.m. Moderate temperature; strong S.E. wind; rain. It rained quite heavily all last night.

I saw a few Passer domesticus near home. I also noted some on Market St. this morning as I went up from the ferry.

In the slough near the roundhouse I saw three large shore birds. Along the mole there were a good many gulls quite a ways out. There were several Limosa fedoa above to the tracks.

On the trip across Larus californicus and Larus dela-

warensis followed the boat in about equal numbers. Several Larus heermanni appeared occasionally but always at a good distance. As we were passing quite close to the other steamer, something was thrown overboard from our vessel. Immediately the gulls assembled, those following the other boat came also. Usually as a gull swoops down for something it gives a scream.

A cormorant was sitting on one of the further piles of the mole when the boat left. Two more going east passed us off Goat Island. Here I also saw three terns. Along the water front of San Francisco gulls were abundant, very few Larus heermanni, however.

San Francisco to Alameda, Cal.

Conditions :- 5:15 to 5:45 P.M. Strong S.E. wind, moderate temperature; rain. (Between 10:00 a.m. and 3:00 P.M. today it was clear.) (Between 7:00 and 8:00 P.M. there was no wind or rain, but it was very threatening with occasional flashes of lightning. After that the wind and rain began again.)

On the bay I saw a few terns off Goat Island, three or four Larus heermanni; a good many Larus delawarensis; and a good many Larus californicus.

Near the roundhouse I saw four Ardea herodias in the shallow water. There were a good many gulls and a few large shore birds on the exposed sand and mud.

Sep. 24, 1904

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M. Moderate temperature; storm still in progress.

Passer domesticus seen in town.

Along the mole, many gulls and a few large shore birds, also Ardea herodias.

On the bay: Larus californicus, abundant; Larus delawarensis, common; Larus heermanni, common.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 6:00 P.M. Moderate temperature; storm still progressing.

Larus californicus. Abundant.

" delawarensis. Common.

" heermanni. About twenty.

Two ducks east of Goat Island. They were going north.

Sep. 25, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 8:00 A.M. to end of day. Moderate temperature; storm continues. Clears up a bit about noon.

Passer domesticus was abundant in the yard.

On the bay about noon I saw two Phalacrocorax in flight. A flock of about thirty ducks, and a flock of about twenty Limosa fedoa passed over the east end of the town.

About fifteen Sterna forsteri were scattered about the bay busily fishing. I saw two or three gulls. Near the beach I saw about twelve Euphagus cyanocephalus.

Later in the day I saw an Aphelocoma californica in the back yard eating sunflower seeds.

Sep. 26, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 a.m. Overcast; warm; one shower; wind north.

On a lot opposite the house I saw an Aphelocoma californica. Passer domesticus was abundant.

Along the mole there were about two hundred gulls, about forty large shore birds, about as many sandpipers, and in the shallow water six Ardea herodias. One of these last remained standing within forty feet of the train.

On the bay I saw a good many Larus californicus. Few of these birds are in the very young plumage. The same is true of Larus delawarensis, of which I also saw a few. Larus heermanni was not abundant: about a dozen adults were seen. I saw one Stercorarius which was flying south.

I noted two small passeres at home, one appeared to be an Astragalinus, the other I did not get a good look at.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 6:15 P.M. Clear; west wind; warm.

Larus occidentalis. I saw one, an adult on a pile at the mole.

Larus californicus. Common.

" delawarensis. "

" heermanni About six adults and one immature bird.

Stercorarius pomarinus. One flying about; long tail; gave steamer a wide berth.

Stercorarius. I saw a short-tailed bird making the life of a tern miserable.

Sterna forsteri. About half a dozen off goat Island, they were being pursued by the above-mentioned jaegers.

Near the roundhouse sandpipers and gulls were abundant; there were a few large shore birds.

Sep. 27, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M. Clear; warm; no wind.

While going to the train an Aphelocoma californica flew by. Quite a few Passer domesticus were about. At the station I saw two more Aphelocoma californica in a nearby lot.

As there was a hunter near the roundhouse there were not many birds near the track. However, I saw a good many gulls, a few large shore birds, and a small flock of sandpipers. I also saw four Ardea herodias.

On the bay Larus californicus was common; Larus delawarensis, not so much so. Only three Larus heermanni were seen. I saw one Phalacrocorax going north.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 6:05 P.M. Warm; clear; light west wind.

Until I got near the mole I saw no birds save Larus californicus and Larus delawarensis. There were a good many of these on the water along the docks. I noted here quite a few young Larus californicus.

Near the mole I saw two adult Larus heermanni on the water. They did not fly until the steamer was within forty feet. I saw three Sterna forsteri nearby. Here was one

gull on a pile.

Near the ferry landing but alongside the mole I saw two Uria troile as the train passed. They appeared to be young birds.

Near the roundhouse I saw between 200 and 300 gulls, about twenty or thirty large shore birds, and about fifty sandpipers. These birds were all on the mud. In a near-by slough there were about a dozen large shore birds.

I saw a flock of about 40 Euphagus cyanocephalus at 5th St. Station. They were flying parallel to the beach. At Morton St. I saw a flock of about 20 circling about.

Sep. 28, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M. Warm; clear; no wind.

Passer domesticus was abundant in town. There were a good many gulls along the beach near 5th St. Along the mole there were a good many gulls, about 100 sandpipers, and about 40 large shore birds, also a few Ardea herodias.

On the bay Larus californicus was common; Larus delawarensis a few. One large grebe off Goat Island and also two Uria troile.

Conditions:- 5:15 to 5:35 P.M. Warm; light east wind; clear.

Larus californicus. Common.

" delawarensis. A few.

Sterna forsteri. A few.

Sep. 29, 1904.

San Leandro Bay, Alameda Co., Cal.
Conditions:- 7:00 to 11:00 A.M. Warm; clear; north wind, increasing towards noon. Rough from 9:30 on.
The following birds were observed;-
Gulls. A few.
Larus delawarensis. Two.
Sterna forsteri. Common.
Ducks. About eight going Southeast.
Fulica americana. Three flocks of about ~~two~~ 12 each on the bay. Quite easy to approach.
Ardea herodias. A few.
Nycticorax nycticorax. A few.
Phalaropus lobatus. One on water.
Macrorhamphus scolopaceus. One.
Totanus melanoleucus. One.
Limosa fedoa. Abundant.
Symphemia semipalmata. Abundant.
Crenutes occidentalis. Abundant.
Actodromas minutilla. Common.
Squatarola squatarola. " . A few with black bellies.
Numenius longrostris. About twelve in Damon's slough.
" hudsonicus. One in Melrose slough.
Hawks. Two. One at foot of street.
Hirundo erythrogaster. Two in Damon's slough.
At home later in the day:-
Passer domesticus. Abundant.
Carpodacus mexicanus. Common.
Warblers. Two.

Sep. 30, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Clear; warm; practically no wind.

Passer domesticus was of course seen; also a few large shore birds and about thirty sandpipers near the round house.

On the bay I saw a good many Larus californicus and a few Larus delawarensis.

San Francisco to Alameda, Cal.
Conditions:- 5:15 to 5:35 P.M. Rather overcast; strong west wind; moderate temperature.

Larus heermanni. One.
" californicus. Common.
" delawarensis. A few.
Phalacrocorax. One.
Euphagus cyanocephalus. A flock of about 130, circling about near 5th St.

Oct. 1, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Warm; clear; no wind.

Passer domesticus.

On the narrow beach at the roundhouse there were a few large shore birds and about twenty sandpipers crowded in a little cove.

On the bay not many Larus californicus or Larus delawarensis were seen. I saw two Stercorarius off Goat Island. Two Phalacrocorax penicillatus passed me flying

south.
San Francisco to Alameda, Cal.
Conditions:- 5:15 to 5:45 P.M. Warm; clear; west wind.
Larus californicus was common.
" delawarensis fairly so. There was a flock of about twelve of both species off Goat Island.
Near 5th St. I saw the same large flock (about 130) of Euphagus cyanocephalus circling about.
Oct. 2, 1904.
At home.
Conditions:- Warm; clear; west wind.
Passer domesticus.
Aphelocoma californica. One.
Sterna forsteri. Five near High St. Bridge.
Oct. 3, 1904.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 a.m. Moderate temperature; no wind; dense fog. The further west we travelled the thicker the fog became.
Only a few Passer domesticus were seen. On the marsh I saw a Melospiza cinerea. There were no shore birds along the mole owing to the high tide. On the bay I saw about twenty gulls, mostly Larus californicus, the rest Larus delawarensis.
San Francisco to Alameda, Cal
Conditions:- 5:15 to 6:00 P.M. Warm; clear; light west wind.
Larus californicus was common. Only a few Larus delawarensis. Six Phalacrocorax going oceanward.

Larus occidentalis. One in flight.
Euphagus cyanocephalus. Flock of about 100 circling near 5th St. Flock of about 12 near 6th St.

Oct. 4, 1904.
Alameda to San Francisco, Cal.
7:00 to 8:00 A.M. High tide.
Passer domesticus.
Melospiza cinerea. One.
Along the mole about 15 gulls away out.
Saw one Phalacrocorax as the train passed.
On the bay.
Larus occidentalis. One off Goat Island.
" californicus. Common.
" delawarensis. A few.

Oct. 5, 1905.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A.M. Overcast; moderate temperature; wind a little S. of W.
Passer domesticus.
At West Alameda Station I saw two carpodacus mexicanus on a telephone wire. Flying over the vegetable gardens were two Euphagus cyanocephalus. I also saw two over the marsh. In a very shallow slough quite near the gardens I saw three large shore birds. There about a dozen birds quite a ways out on the water along the mole; I was unable to make out just what they were although they were probably gulls. I saw a Phalacrocorax light on the water near by. There were a good many gulls

on the shallow water north of Oakland Creek. Just as we left the mole we almost ran down a young Uria troile. The bird would not dive; it acted as though it were in a very weak condition.

Larus californicus was abundant, and Larus delawarensis common. Many followed the steamer across. When we were about a half mile southeast of Goat Island a flock of eight ducks passed high overhead to the south.

In a bunch of gulls on the water off the city I saw one adult Larus heermanni. I noticed a flock of about 100 gulls on the roof of Pier No. 5.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 6:15 P.M. Overcast; moderate temperature; west wind.

Gulls were abundant on the trip across. Larus californicus [illegible] numerous; Larus delawarensis was common; six adult Larus heermanni.

At home I saw one Nycticorax nycticorax passing over just at dusk.

Oct. 6, 1904.

San Leandro Bay, Alameda Co., Cal.

Conditions:- 6:30 to 11:00 A.M. Moderate temperature; south wind; drizzling.

In Melrose slough I saw the following:-

Gulls, 2; Larus delawarensis; Sterna forsteri; about a dozen off the mouth of the slough.

Symphemia semipalmata. Very common.

Totanus solitarius. Very common.

Tringa [illegible]

Ardea herodias. Two or three.
Aegialitis semipalmata. Two.
Actodromas minutilla. Very common.
Ereunetes occidentalis. A few.
Phalacrocorax. Three or four.
Actodromas maculata (?) Two.
Ducks. A few small flocks and two individuals.

While in the slough I saw a large bird alight on the water; it dived continually; I think it was a Gavia.

In a slough near Shell Pt., I saw several hundred Ereunetes occidentalis. There were also about forty Symphemia semipalmata and Numenius longirostris. Aechmophorus occidentalis and Uria troile (one each) were seen just outside the Bay Farm Island. The murre, a young one, was in such a weakened condition that I rowed to it and picked it up without its making any resistance.

In the deep slough south of the S.P.C. R.R. I saw one strange sandpiper, and about 150 Symphemia semipalmata, and Limosa fedoa, and Numenius longirostris in one flock on the marsh, the tide being high. The first species was most abundant. All these decoyed to wounded birds.

Oct. 7, 1904.
San Francisco to Alameda, Cal.
Conditions:- Afternoon.

Larus californicus and Larus delawarensis were common. I also saw one Larus hermanni. Off Goat Island I

saw about twenty of the last-named and very few of the other two. I saw a Stercorarius in pursuit of several Larus heermanni. This pirate tackled each bird as it came along. The Larus heermanni were flying west in in most every case.

On the mud exposed near the roundhouse I did not see a single bird.

Oct. 8, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M., SE wind, pouring rain; moderate temperature.

Passer domesticus were of course somewhat in evidence. On the water off the seawall I saw a bunch of half a dozen birds evidently grebes.

At the roundhouse there were 200 or 300 gulls on the mud and about 50 on the water. Many of those on the sand rose.

I rode over on the forward deck. I saw a few Larus californicus and Larus delawarensis following the Str. Newark were a great many of the above species and about twelve Larus heermanni.

Oct. 9, 1904.

At home.

Conditions:- SE wind; moderate temperature; even; warm SE wind; rain until about middle of afternoon, when it cleared somewhat. Owing to the early rains the grass and some other vegetation has become green much earlier than usual.

After the sun had come out and everything was smiling I saw a warbler in a pear tree. I shot an Astragalinus psal-

tria.

Oct. 10, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M. Strong SE wind; overcast; moderate temperature.

Passer domesticus was in evidence.

On the sand near the roundhouse there were 300 or 400 gulls and a good many sandpipers. Just off the mole I saw three jaegers going south: Larus delawarensis and Larus californicus were quite abundant. I saw about ten Larus heermanni. This last named species with the two above follow the steamers. Larus heermanni, however, does not approach boldly as do the the others, particularly Larus delawarensis.

Two grebes flew by the boat. I also saw a flock of about 20 ducks. They were all flying low over the water.

San Francisco to Alameda, Cal.

5:15 to 5:35 P.M. Strong SE wind; very cloudy; moderate temperature.

Larus californicus and Larus delawarensis were quite common. I saw two Larus heermanni. Three grebes flew up and alighted further on as the boat approached.

I saw one solitary Ardea herodias standing in the shallow water near the roundhouse.

Oct. 11, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M., clear; strong west wind; moderate temperature.

Passer domesticus.

There were a few gulls flying along near the shore at 5th St. They were headed west. I saw three cormorants fly across the front near W. Alameda Station. Near the roundhouse I saw two or three flocks of sandpipers and about 200 gulls. I counted 18 grebes along the mole. I saw 2 cormorants on the water at the mole. Off Goat Island I saw three grebes; also a cormorant flying south. Larus delawarensis was very common. Larus californicus was not as much as. A great many of both species followed the steamer across.

San Francisco to Alameda, Cal

Conditions:- 5:15 to 5:45 P.M. Strong west wind; clear; moderate temperature.

Larus delawarensis and Larus californicus were abundant. I saw one Larus heermanni off the water front. I saw a jaeger south of Goat Island. Near the roundhouse the only birds present were 6 Ardea herodias in the shallow water left by the tide.

Oct. 12, 1904

Alameda to San Francisco, Cal

Conditions:- 7:00 to 8:00 A.M. Clear; rather cool; light west wind.

I saw three Zonotrichia leucophrys in the back yard this morning. Passer domesticus was very common. Near the roundhouse there were several small flocks of sandpipers on the mud. There were 200 or 300 gulls on the beach and in the shallow water. I saw one grebe on the water near the mole. I did not see many gulls on the bay until I got near Goat Island as I rode on the front of

the boat. Larus californicus and Larus delawarensis were common. I saw one Larus heermanni.

Oct. 13, 1904

San Leandro Bay, Alameda, Cal.

Conditions:- Clear; warm; no wind.

In the backyard I saw two Zonotrichia leucophrys. Passer domesticus was abundant. I saw a beryle alcyon on a walk over the water. On the Alameda shore we saw a few Squatarola squatarola and a good many Ereunetes occidentalis.

In Melrose slough and the vicinity I saw the following birds:- Larus, 1; Sterna forsteri, about twelve, fishing; Phalacrocorax, 1, coming from the canal; Erismatura jamaicensis, one out in San Leandro Bay; Ardea herodias, a few, one was exceedingly easy to approach; Nycticorax nycticorax, 2 or 3; Rallus obsoletus, 2 or 3 at the edge of the marsh; Macrorhamphus scolopaceus, about 12 in one flock, saw 3 or 4 stragglers; Actodromas minutilla, common but not abundant; Pelidna alpina, about 12; Ereunetes occidentalis, Abundant; Limosa fedoa, about 12; Numenius longirostris, one; Symphemia semipalmata, common; Aegialitis semipalmata, two; Squatarola squatarola, common.

At home I saw an Astragalinus feeding on a cosmos bush.

Oct. 14, 1904.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 5:35 P.M.

Larus californicus and Larus delawarensis were common.

Oct. 15, 1904.

Alameda to San Francisco, Cal.

Conditions:- 7:00 to 8:00 A.M. Clear; rather cold; north wind.

Along the seawall and along the mole, grebes were common. On the bay Larus delawarensis and Larus californicus also occurred commonly.

San Francisco to Alameda, Cal.

Conditions:- 5:15 to 5:35 P.M. Clear; cool; NW wind.

Larus californicus. Common.
" delawarensis. "
" heermanni. Three.

Among birds brought in by hunters, I saw the following:-

Rallus obsoletus, Rallus virginianus, Totanus melanoleucus, Symphemia semipalmata, Pelidna alpina, Erenetes occidentalis.

Oct. 16, 1904.

Alameda to San Francisco, Cal.

Conditions:- P.M.

On the bay in the early afternoon, I saw the following:-

Larus californicus. Common.
" delawarensis. "
Larus. Two or three.
Ducks. Two small flocks.

OCT 17 1904

Alameda, Cal. to San Francisco, Cal.
7:00 A. M. to 8:00 A. M.
Conditions:- Rather cold; north wind; clear.

In a tree near a window where I perched two Zonotrichia leucophrys this morning when I got up. Passer domesticus was abundant in town.

Near the roundhouse I saw an Ardea herodias standing on a post. Along the seawall I noted 3 or 4 flocks of about 10 grues each.

On the bay Larus californicus and Larus delawarensis were common. I counted nine flocks of gulls averaging 10 birds to a flock. All but 3 or 4 birds were going north, and these were headed south. With the exception of one or two cases the birds flew high. Evidently they had been disturbed by the army of hunters which has invaded the marsh during the last two days. I saw one Phalacrocorax going down the bay.

San Francisco, Cal. to Alameda, Cal.
3:45 P. M. to 5:35 P. M.
Conditions; Moderate temperature; hazy; west wind.

Larus californicus & Larus delawarensis were common.

OCT 18 1904

Alameda, Cal. to San Francisco, Cal.
7:00 A. M. to 8:00 A. M.
Conditions:- Slightly cold; northwest wind; clear.

Passer domesticus was very common.

Along the mole I saw about a score of grebes on the water. A few birds perhaps ducks were flying low over the water. Near the end of the mole, a loon dived as the train passed. There was a Fulica americana on the water near the track.

On the bay I saw about fifty ducks going north; most were apparently scoters. All flew quite low over the water and did not go over Goat Island as I saw a flock do yesterday, but went around the eastern end. I saw 2 birds pass to the south. Another pair going south faced about and followed a northward bound flock.

Larus californicus & Larus delawarensis which followed the steamer across were both common. There were a good many gulls on the water.

San Francisco, Cal. to Alameda, Cal.
5:15 P.M. to 5:35 P.M.
Conditions:- Moderate temperature; light wind; clear.

Larus californicus & Larus delawarensis were common. Near the roundhouse I saw an Ardea herodias standing on a post; another in the shallow water near by; and still another in flight.

OCT 19 1

Alameda, Cal. to San Francisco, Cal.
7:00 a.m. to 8:00 a.m.
Conditions:- Rather cold; clear; no wind.

Passer domesticus was of course in evidence.

Along the seawall and along the mole, grebes were very common, also a few ducks. There were a good many gulls and two loons off the mole. Just before the boat left a cormorant alighted on an outlying pile.

Larus californicus and Larus delawarensis were very common. A pair of ducks passed to the south, flying very low over the water. Four or five passed to the north.

San Francisco, Cal. to Alameda, Cal.
5:15 P.M. to 5:45 P.M.
Conditions:- Clear; light wind; warm.

Larus californicus and Larus delawarensis were both common on the trip across. Near the roundhouse I saw half a dozen Ardea herodias

OCT 20 1954

Bay and marsh adjacent to Alameda, Cal.
6:30 a.m. to 11:30 a.m.
Conditions:- Warm becoming hot; practically no wind; clear.

In the marsh Sturnella magna and Melospiza cinerea were common. Shore birds were remarkably scarce and very wary, even the small sandpipers. The following water birds were observed.

Colymbus nigricollis. Fairly common west of Bay Farm Island Bridge.

Gulls. about 6 seen.

Larus delawarensis. One.

Sterna forsteri? About three seen.

Ducks. A few flew over. There were several flocks, perhaps about 70 birds in all west of the Island bridge. They were unapproachable.

Oidemia perspicillata. Common on open bay.

Ardea herodias. A few.

Nycticorax nycticorax. A few.

Fulica americana. 2 in slough. A few with ducks outside.

Actodromas minutilla. Common.

Ereunetes occidentalis. Very common.

Symphemia semipalmata. About 12. Wary.

Squatarola squatarola. " " " .

Practically no shore birds were seen passing back and forth to and from the bay, save a few sandpipers.

In the afternoon between 3 o'clock and 5 o'clock I was out. I did not fire a shot. Outside the Island bridge there were a few grebes and scoters. A few sandpipers passed. The water was like glass. Tide low.

In San Leandro Bay, I saw four terns, probably Sterna forsteri; one Ardea herodias and a few sandpipers. I did not, however, go up either of the two shallow sloughs. I was near Melrose however and saw no large shore birds, only a few sandpipers

OCT 21 1904

Alameda, Cal. to San Francisco, Cal.

7:00 A. M. to 8:00 A. M.

Conditions:- Clear; warm; light wind.

Along the seawall and [illegible] I saw a good many grebes and ducks. I also saw three loons (?) on the water. One the bay I saw 7 Fulica americana on the water. 9 ducks passed to the north. Larus californicus & Larus delawarensis [illegible]

Saw a few californicus & saxicola
de au arenicolor common. Noted 10 indica
heading south the route.

OCT 22 1904

Alameda, Cal. to San Francisco, Cal.
7:00 A. M. to 8:00 A. M.
Conditions:- Fog; rain; light wind.
Saw a good many pelagicus & dichroa along
sea all around rocks. On the bay saw californicus
& decolor arenicolor common. Saw a few californicus
saxicola. Saw a few Audubonii. Saw a few Townsendi
icana. A few indica passed to the south.

OCT 23 1904

At home Passerculus arenicolor was common. Saw one
Empidonax in the morning of a peach tree. It was
quite foggy in the morning, clearing in the afternoon.

OCT 24 1904

Alameda, Cal. to San Francisco, Cal.
7:00 A. M. to 8:00 A. M.
Conditions:- Fog; rain; cold; no wind.
Saw a few more pelagicus along the rocks on the

following to-wit.

San Francisco, Cal. to Alameda, Cal.

3:15 P.M. to 3:45 P.M.

[illegible]

I saw only Larus californicus. I didn't [illegible] Saw [illegible] dark mantle; a [illegible], [illegible] light-bellied bird. There [illegible] many gulls and [illegible] them [illegible].

OCT 25 1934

Alameda, Cal. to San Francisco, Cal.

7:00 A.M. to 8:00 A.M.

Condition: Foggy; wet; cold; [illegible] [illegible] [illegible]

OCT 26 1904

Alameda, Cal. to San Francisco, Cal.

7:00 A. M. to 8:00 A. M.

Conditions:- Foggy; rather cold; light wind.

[illegible] and went to the [illegible]. Many gulls were to be seen [illegible] as there usually are. Low down on the water. Several [illegible] passing south [illegible] about 50 feet apart with one [illegible] flock. A few [illegible] passing south.

Many gulls were standing on the roofs of the sheds [illegible] the first two miles.

San Francisco, Cal. to Alameda, Cal.

Time:- 4:45 P.M. to 5:45 P.M.

Conditions:- [illegible]; [illegible] to heavy; [illegible]

Larus californicus. Common
" delawarensis. Ring-bill.
" heermanni. Heermann's Gull.
Larus [illegible].
Pelidna [illegible] 106 [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible]

OCT 27 1904

San Leandro Bay, Alameda Co., Cal.
6:00 a. M. to 10:00 a. M.
Conditions:- Foggy clearing towards noon; no wind; moderate temperature.

The first bird I saw was four Nycticorax nycticorax approaching towards their rookery. Along the Alameda shore I saw a few large shore birds, some Squatarola squatarola, a good many Pelidna alpina and a few Actodromas minutilla, and also one Ardea herodias.

In Melrose slough I observed about 40 Squatarola squatarola, 3 or 4 Ardea herodias, many Pelidna alpina & Actodromas minutilla.

a few Forster's Terns. Short billed Gulls passed over high up. Saw 3 Bittern standing near the mouth of the slough. Did not shoot; these had mottled heads instead of caps.

In the slough north of San Leandro Creek I observed the above-named birds, excepting the gulls. I also saw about 50 to 70 Hetton Curlews in the mud. They were unapproachable. As well as Black Symphemia semipalmata. On the 3rd I saw 3 or 4 Willets. Did not shoot any. Saw a few Black-bellied Plovers. Also Golden Plovers.

In the back yard Passer domesticus was abundant. I saw about a dozen Zenaidura audubonii ~~macroura~~ in the fruit trees. Six Astragalinus psaltria were feeding on a cosmos bush. These birds I observed most time

OCT 28 1904

Alameda, Cal. to San Francisco, Cal.

7:00 a.m. to 8:00 a.m.

Conditions:- Clear; north wind; moderate temperature

Passer domesticus was of course abundant. The gulls [illegible] a good many grebes. I saw four ducks

On the bay I saw a few small companies of scoters going south. Passed a [illegible] boat at the mole [illegible] good many gulls circling about high over [illegible] the [illegible] the [illegible] the [illegible] the [illegible] Passed the [illegible] good many of [illegible] flew over to it.

[illegible] to [illegible]

5:15 P.M. to 5:35 P.M.

[illegible] Flew a good many gulls [illegible] Passed [illegible] boat and [illegible] flew [illegible] flew [illegible]

OCT 29 1904

Alameda, Cal. to San Francisco [illegible]

7:00 a.m. to 8:00 a.m.

Conditions:- Overcast; north wind; moderate temp.

[illegible] male. in about (30) at house-
[illegible].

[illegible] on. [illegible] Lanius
ludovicianus excubitorius.

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 5:45 P.M.

[illegible]:- Overcast, [illegible] to [illegible]; [illegible] wind;
moderate temperature.

Larus californicus was common on the Bay.

[illegible].

Also saw three Ardea herodias [illegible]
heard.

OCT 30 1904

Alameda, Cal. to San Francisco, Cal.

7:00 A.M. to 8:00 A.M.

Conditions: Overcast; [illegible]; wind [illegible] temp. Cal
Thrasher quite lively during the visit.

[illegible] male. Lanius
[illegible] (2) at house

common. Larus delawarensis, One seen.
Several small flocks seen going south.
Many gulls. Many flocks of small gulls going south.
San Francisco, Cal. to Alameda, Cal.
9:45 a.m. to 10:30 a.m.
Conditions:- Clear overhead; cloudy around
horizon; wind N.W. to fresh.
Larus californicus seen.

OCT 31 1904

NOV - 1 1904

NOV - 2 1904

During my trips to and from San Francisco, California, saw abundance of gulls, mostly Larus californicus, and a few Larus delawarensis this afternoon; I saw a gull bathing itself while resting on the water.

NOV - 3 1904

San Francisco Bay adjacent to Alameda, Cal.

Time :- 7:30 a. m. to 11:30 a. m.

Conditions :- Moderate temperature; light winds;
[illegible]; tide high.

[illegible] to the bridge I saw a good many
[illegible], also [illegible].

Pelecanus occidentalis. 3 or 4. One in flight.

Colymbus auritus. One.

" nigricollis. About a dozen.

Larus ——. A few. 2 gulls flying high.

" philadelphia. A young bird flew past
I was shooting at one time.

Sterna forsteri. Common. Killed 5, all in th
mottled bird (some were slightly).

Phalacrocorax ——. One in flight.

Ducks. A large flock of about 50 in sight most.
A few extra ducks. About 2 following species:-

Dilelia dorsalis. Common. Shot young bird.

" pelvicula. A few. " " " .

Sandpipers. Two small flocks.

NOV 29 1901

San Francisco Bay in vicinity of Alameda, Cal. & San Francisco, Cal.

Grebes have been common along the mole; a few coots have been seen occasionally on the bay and one morning three cormorants. Larus californicus, ne yco... ...; a few Larus delawarensis seen. On the roof at the ... house there were about fifty gulls this morning.

Yesterday at about noon time I saw three or four marbled ... in a ... tree in the back yard. Passer domesticus has of course been abundant.

NOV 10 1904

San Leandro Bay and south shore of Alameda, Cal.

6:30 a.m. to 1:30 a.m.

Conditions:- Clear; moderate temperature; no wind.

... Mole ... I saw 2 or 3 large gulls, 2 or 3 terns, about 30 Aquatarola aquatarola. Charadrius occidentalis & Pelidna alpina were abundant. A few Actodromas minutilla were seen. ... two or three Ardea herodias, one Nycticorax nycticorax, and one cormorant. Here ~~outside~~ also I saw a Calypte anna ...

which when pursued dived incessantly, and when coming up to get air, simply exposed its head only, keeping the rest of the body submerged.

Outside Yerba Buena Island Bridge I saw the following birds:-

Colymbus auritus. One.

" nigricollis. Common.

Larus californicus. 3 or 4.

" philadelphia. A flock of about 40 off Union Street. Young bird shot.

Terns. Probably Sterna forsteri. A few.

Oidemia deglandi. Common.

" perspicillata. A few. Shot young bird.

Ducks. Besides the above-mentioned species other ducks were very common. Unapproachable.

Phalacrocorax. One.

NOV 11 1904

Alameda, Cal. to San Francisco, Cal. 7:00 A.M. to 8:00 A.M.

Conditions:- Clear, light wind, not cold.

Larus californicus, common. Several [illegible]

NOV 12 1904

Alameda, Cal. to and from San Francisco, Cal.
Clear in morning; hazy in evening; no wind.

Larus californicus was common; a few Larus delawarensis were seen. I made incision in the morning trip, hence did not see much.

As I was coming down Market Street in the evening I saw a great many gulls sailing high above the ferry towers. I have observed the gulls do this for the last two weeks, at about the same time. Very few gulls are seen on the bay at this time.

NOV 13 1904

Alameda, Cal. to San Francisco, Cal.
11:30 A. M. to 12:30 P.M.
Conditions:- Clear; warm; light wind.

Larus californicus common; a few Larus delawarensis. Also a little west of Goat Island, I noticed a continual flight of gulls to the W. They all flew low over the water, at 400 strong and in a straight

NOV 14 1904

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- In both mornings it was foggy, temperature was warm. In the evening the wind was SE, and everything indicated a approaching storm, which we escaped by reaching the wharf at 5:15 P.M. It rained heavily during the night.

NOV 16 1904

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- In the morning it was foggy, in the evening clear.

Along the mole I saw a few specimens of Urechis caupo, Cerebratulus californicus and another Cerebratulus sp. inside the boat.

In the evening I saw a few Lineus californicus.

NOV 17 1904

Around Bay Farm Island, Alameda, Cal.

7:30 a.m. to 12:30 P.M.

NOV 23 1904

Alameda, Cal. to San Francisco, Cal.

7:00 A. M. to 8:00 A. M.

Conditions:- [illegible]; wind S.W. wind.

Passer domesticus was fairly common on the

rila). Along the coast in flocks of hidden flight, and in the lagoons (Stercoraria magna). [illegible] during the last few days. Along the coast a few gulls. Dowitchers (Limnodromus griseus caliginosus) abundant. They follow the streams in great numbers. Every plumage is to be found, except the bird with fine white heads. Birds with striped heads, ~~being~~ light under parts and blue mantles being most abundant.

In the morning I passed over four gulls; it was about sundown.

On the morning of NOV 21 1904, as the train passed along the marsh a flock of 12 to 15 cormorants passed high above in V formation. Soared and sailed a few flights and then [illegible]

NOV 24 1904

Alameda. Cal.

7:30 A. M. to 10:30 A. M.

Conditions:— Clear; warm; no wind.

[illegible]

out, [illegible] birds in a flock.

I saw [illegible] hawk. This bird hovered for quite a while [illegible] and made a big swoop [illegible] but [illegible] clear [illegible] time [illegible] and [illegible].

At home [illegible] domestic [illegible] abundant, feeding [illegible] were [illegible] 3 or 4 Astragalinus on a cosmos bush.

Hunter reports having seen a flock of about a dozen white geese in San Leandro Bay.

NOV 25 1904

Alameda, Cal. (San Leandro Bay and straits.)
7:00 A. M. to 11:15 A. M.
Conditions:— Warm; clear; no wind.

In San Leandro Bay I saw the following kinds: [illegible] Shoveller. 12 Teal ducks. Bills. 4 Four large gulls sailed lazily about. Canvas Philadelphia was fairly common. Aythya ~~ninata~~. ~~Canvas~~ Both of these Eusmartiva jamaicensis common. } kinds were not big flocks running them down.

Ox. Limnatura jamaicensis tried hard to escape by burrowing right out sideways under water; when it came to the surface it pushed forward the top of its head.

Several times I dredged dipers, flying back and forth between the reaches of Jobs Landing and Pelocerdaugh. Diptera Lock Haven and Tobyhanna. Diptera Limnatarola aquatarola. Dragonflies Libellula both with and without from the flower-stained wings.

Outside Bay Farm Island bridge the following were seen:-

Recurvirostra occidentalis. 3 or 4.

Pelecanus. 4 or, probably Col pelecanus erythrorhynchus and Calypteus rufescens.

Larus. 20 or 2.

Gulls. Quite a few large gulls. Shot immature Larus delawarensis on the sand.

Larus Philadelphia. Common. Did not figure. Seemed very flat at low tide. Skulking on

fish to a great extent. Saw other birds go one I shot at but missed, some small ones. They often they are seen fluttering about over the south water, occasionally dropping down to get a fish.

Only a few good ducks were seen. Oidemia deglandi was fairly common. Birds generally were scarce compared to what they were last day.

Pelicans and gulls were both very scarce. Larus delawarensis, Larus californicus, a few Larus occidentalis, a great many cormorants, Phalacrocorax penicillatus.

NOV 26 1904

Alameda, Cal. to San Francisco, Cal.

7:00 a.m. to 8:00 a.m.

Conditions:- Warm; a low bank of fog near the Goat Island; clear on the bay; no wind.

Larus californicus followed the boat in large numbers; two Larus glaucescens, one an adult, one an immature bird were seen. I saw six brant ducks going south, they were high up in the air.

One Aechmophorus occidentalis taken.

NOV 27 1904. Larus philadelphia, Rangula clangula; Oidemia deglandi, at home

NOV 28 1904

Alameda, Cal. to S.F., Cal.

7:00 a.M. to 8:00 a.m.

Clear; moderate temperature; no wind.

No. 9 can all and mole, a few grebes & ducks.

Rode inside the boat; near the city I saw many Larus californicus and one Larus glaucescens.

NOV 29 1904

Route & Conditions & Time same as above.

A few grebes along the mole. Rode inside the ferry boat, here & there few birds. Near the city Larus californicus was abundant.

NOV 30 1904

Route & time as above. Conditions:- Moderate temperature; SE wind; some rain; has rained during the night.

No. 9 to mole: About 40 cormorants alighted on the water. Quite a few gulls in flight. Near the city Larus californicus was abundant. Rode inside.

In the evening at 5:30 P.M. conditions were the same as morning of Nov. 29. On No. 9 to ferry

DEC - 1 1904

San Leandro Bay to south of S.P.R.R. track.
7:00 a.m. to 11:00 a.m.
Conditions:- Rather overcast; moderate temperature; no wind.

On looking out of the back window at about 6:30 A.M. I saw 3 gulls flying very low overhead; they were headed NE.

On San Leandro Bay gulls were rather common. I saw one or two Larus philadelphia. The remaining birds, about 30, were Larus californicus, 2 of which were immature Larus californicus, the 3rd an immature Larus argentatus.

On my second trip I saw about 30 ducks on the water a short distance NW of Grassy Pt. While tending to the gulls I shot in the mouth of San Leandro Slough, an Rhynchophanes occidentalis passed quite close. Just as I fired my gun the bird dived, coming up quite a ways ahead.

South of the R.R. bridge on mud flats I saw one or two yellows (Totanus flavipes?) and

Oidemia deglandi. Also saw one or two other ducks, probably golden-eyes. Found one dead Cymbirhynchus macrorhynchus. The "fish hawk" Pandion haliaetus carolinensis was common but unapproachable. Shot one which drifted by my place of encampment. It measured five feet across the wings and was evidently a female; they are much prized as a delicacy.

DEC - 2 1904

DEC - 3 1904

Along the coast during the last two days I have seen a few ducks and gulls in the morning. Conditions have been such that I could not land Sunday, the 1st. This morning I saw a couple of loons near the shore. The train was slowing down, they dived as the train passed.

I have not been inside the steamer each morning, but nevertheless have seen a good many Larus californicus on the San Francisco side of the ferry.

~~DEC - 5 1904~~ DEC - 5 1904

Alameda, Cal. to San Francisco, Cal.
7:00 A. M. to 8:00 A. M.

Conditions :- Cold, frosty; light east wind; clear.

Passer domesticus was of course in evidence. Along the mole grebes and ducks were quite common. There were also a good many gulls flying in a easterly direction.

Inside the [illegible] the San Francisco side Larus californicus was very common; I saw 3 or 4 Larus glaucescens.

This evening about 5 o'clock I noted three Larus —— flying in a northwesterly direction high above the city.

DEC - 7 1904

Alameda, Cal. to San Francisco, Cal.
7:00 a. m. to 8:00 a. m.
Conditions :- Cold; clear; E. wind.

During the second part of the trip I saw a few ducks and grebes, but not as many as on the first trip. Gulls were scarce. Only Larus californicus and Larus glaucescens were common. The latter also follows the ferry boats. Their cry is much more piercing than

Larus californicus.

DEC - 8 1904

[illegible] south of R.R. track, San Leandro Bay, Alameda, Cal.

7:00 A.M. to 12:30 P.M.

[illegible]

One [illegible] in San Leandro bay.

Gulls, I find many large gulls passed over the bay each morning.

Larus Philadelphia, One.

Larus hyperboreus. One in slough.

Gulls, a few in slough. Very few ducks in sight.

Pelidna alpina sakhalina? Very common - almost abundant.

Eremophila alpestris leucolaema, Common.

A neighbor brought in from north of the R.R., five Aythya vallisneria; one Clangula clangula; one Erismatura jamaicensis.

DEC - 9 1904

Alameda, Cal. to San Francisco, Cal.

7:00 a.m. to 8:00 a.m.

Conditions:- Moderate temperature; South wind; Overcast.

rained heavily during the night.

Passer domesticus was common throughout town. Off 5th St. there were a great many gulls, evidently after a school of fish. Along the seawall there were no birds, save two or three ducks in flight. In the slough near the round house there were a few ducks, and some sandpipers. The former probably sought refuge there from the rough sea; they do not often come so close to the train at this time of year. Along the narrow strip of beach there were a few gulls; in the shallow water 20 or 30 ducks. Along the mole [illegible] a few ducks & gulls.

Just after the boat pulled out of the mole a couple of cormorants flew by going south. Only a few gulls followed us at first. But by the time we were off Goat Island there were 100 or 150 following. Larus californicus is abundant; Larus glaucescens common.

DEC 10 1904

Alameda, Cal. to San Francisco, Cal.
7:00 A. M. to 8:00 A. M.
Conditions: Cold; clear; light wind.

Along the canal and mole, there were a few ducks and grebes. Near the slough at the roundhouse there were quite a few ducks, in the Alameda waters. Off the wharf north there was a large flock of gulls, with a few fish.

I saw nothing in the steamer hence did not see much. On the San Francisco side Larus californicus was abundant.

DEC 11 1904

Alameda, Cal.

Conditions:- Cool; clear; no wind.

In the back yard Passer domesticus was abundant; Zonotrichia leucophrys, 3 or 4; warblers, 2 or 3.

Spent the following birds, brought in by a hunter: 1 Nettion carolinensis; 1 Clangula clangula; Erismatura jamaicensis.

The following birds were gotten by some hunters off Coyote Hills:- Nettion carolinensis, 2 or 3; Dafila acuta, 2; Spatula clypeata, 20; Limosa fedoa, 2 or 3; Symphemia semipalmata, 2 or 3; Rallus obsoletus, 1.

DEC 15 1904

Alameda, Cal.

Time:- 6:00 A.M. to 10:15 A.M.

Conditions:- cool; clear; no wind.

Got out a third more than I intended just a good many ducks. After I had been in the water a few minutes there settled commenced [illegible] my diving before. I saw a few Ospreys and [illegible] Very few ducks in sight. A good many [illegible] in the water.

In the afternoon I saw a few in Philadelphia. [illegible] flying out from the [illegible] 5 & 5:30 P.M. Did not get [illegible] too dark in Damon's slough.

DEC 17 1904

Alameda, Cal. to San Francisco, Cal.

Time:- 7:00 a.m. to 8:00 a.m.

Conditions: clear; light wind; cold.

A few ducks and grebes along the mole. I rode in side

this for afternoon. On the San Francisco side Larus glaucescens and Larus californicus was common, Larus glaucescens the more so. A good many of this species were standing on the piles.

When I returned in the evening, while off Goat Island, a flock of about 20 small gulls passed, flying very low over the water.

DEC 18 1904

I saw the following birds from Coyote Hills, collected within the last couple of days:-

Anas boschas, 1; Dafila acuta, 4; Nettion carolinensis, 10 about; Spatula clypeata, about ten.

A friend shot for me an Aythya vallisneria off the foot of the street.

DEC 19 1904

The following birds were gotten by hunters to-day from about Alameda:-

Nettion carolinensis; Aythya vallisneria; Clangula clangula ♀'s; Anas albifrons 1. A flock of fifteen of this last was seen by a hunter

Along mole, a few ducks & grebes. On bay, Larus glaucescens & L. californicus

DEC 20 1904

Alameda, Cal.

5:30 A.M. to 8:30 A.M

Conditions:— Cold; rather clear; light SE. wind.

We got into a blind on "grassy point". On the way over we scared up a few birds; of course it was dark. A few flocks of ducks passed over us going toward the open bay. A few large gulls also passed over.

2:00 P.M. to 6:30 P.M.

Conditions: Cold; rather clear; no wind.

The following birds were seen and some shot:—

Larus glaucescens. A few on edge of mud.

" occidentalis. One dead one.

" californicus. A few on mud.

Phalacrocorax. One seen in flight.

Nettion carolinensis. Common.

Aythya vallisneria. "

" affinis. Three.

Fregata aquila. Common.

Ardea herodias. 3 or 4. Nycticorax nycticorax. 2.

Pelidna alpina. Common

Squatarola squatarola: A few. Hawk (Buteo?). one.

Melospiza cinerea: a few.

Dec. 21, 1904.

Alameda, Cal. (San Francisco Bay)

Conditions:- [illegible]

Conditions - Misty, cold, light wind.

On the north side of the railroad bridge I stirred up a large flock of ducks. I could distinguish the following birds: —

Gulls. (large). Quite a few in flight.
Merganser (female). One.
Mallard (male). A few.
Canvas-back (female?). A few.
Immature female sawbill. Two or more.
2:00 P.M. to 6:00 P.M. (near Lawrence Slough)
Conditions: — Misty all the afternoon.

I went out on the flats between Lawrence and Melrose Sloughs where last night we had seen many ducks light. The following birds were flushed and identified: —

Gulls (large). A few.
Sterna (forster?). A few.
Sterna philadelphia. A few.
Ruddy duck (male). Very common. Females decidedly easier than males.
Mallard. Common.

Redwinged Blackbird. Fish Crows.
Herons all sizes.
Loggerhead Shrikes. Sparrows.
Mockingbirds & Swallows have become very common
with the Fall at the first of the month.
A hunter brought in one Spatula clypeata
Dec. 23, 1904.
Camden, Del. (Opposite of Bay Shore Island.)
Time:— 6:00 A.M. to 1:00 P.M.
Conditions:— Stormy; N.E. wind; rain; rough sea.
Walk in Broad Kenderton Bay, saw a great
many large gulls coming from the S.E. Several
small flocks of Ducks on the Delaware Bay.
1 Ruddy Duck (Erismatura rubida) were seen.
The following birds were identified:—
Red-throated Loon, Identified, One.
Red-breasted Merganser, Identified, One.
Gavia Immer (Brünnich) Of the great numbers of Loons
that flew up & down the beach, those which passed
close enough for the above-mentioned species.
Gulls: Quite a few large gulls were seen,

Aythya valisineria. Abundant. A great many flocks were seen passing northward early in the morning, apparently following the shoreline. Later flock after flock, containing about 20 to a flock, passed over the mouth of Tomales Bay.

Aythya affinis. Eh-tyne.

Clangula clangula. Common. Females & male. Shot one young male. No adult males seen. These birds seldom occur in flocks of more than 4 or 5.

Chaetura vauxi. Common.

Oidemia deglandi. A few

" perspicillata. Abundant. There was one large flock of these birds off the mouth of the anti-aircraft.

At home I saw the following birds.—

Passer domesticus. Abundant.

Pisobia fuscus. 3 or 4.

Bartramia longicauda. 3 or 4.

Pandion haliaetus carolinensis. 5 or 6.

Dec. 24, 1904.
Alameda, Cal.
Conditions:- Storm began last night.
Went out to Cobb's hill on Garfield Avenue
& found many gulls feeding by the flow
there included about 4 or 5 tall Eucalyptus trees, which
protected them from the high SE wind.
The gulls were driven in by the storm.-
Notes on collection
Ostrea virginica.
mytilus
edulis.
Cyprina islandica
Mercenaria mercenaria
All were taken near the mouth of the inlet
coast of Bay Farm Island.
Dec. 26, 1904.
Alameda, Cal.
Conditions: Cold in early morning; warm, hazy;
no wind, rest of day.
Seen - 3 Himantopus, Sanderlings one Dowitcher Ayethya americana (?)

Dec. 27, 1904.

Alameda, Cal. to and from San Francisco, Cal.

Conditions:- Similar to yesterday, colder.

In the morning I saw a few coots, 2 or 3 flocks of sandpipers. ducks, and a few grebes along the mole inside the Alameda.

In the evening I noted a few Larus californicus along the Oakland water front.

Dec. 28, 1904.

Alameda, Cal. to and from San Francisco, Cal.

In the morning ducks were quite thick along the mole. A few grebes were seen. Also a few sandpipers on beach.

I saw many Larus glaucescens on the piles at the city.

In the evening I saw several Larus californicus, which are still abundant.

Dec. 29, 1904.

Alameda, Cal. Bay slough and bay off Bay Farm Island.

Time:- 5:30 a.m. to 10:30 A.M.

Conditions:- Overcast; S.E. wind; moderate temperature.

Larus glaucescens and Larus californicus were [illegible]

continually over the marsh; ducks were also flying low. The following birds were seen:-

Colymbus auritus. Several.

Loons. Two or 3.

Larus glaucescens. Common.

" californicus. "

Nettion carolinensis. A few.

Dafila acuta. (?) A few high up in the air.

Aythya collaris. Abundant. A good many birds came out about 7:15 A.M.

Clangula (clangula ?). Common both in slough & outside.

Charitonetta albeola. "

Oidemia deglandi. A few.

" perspicillata. Abundant. One large flock of 300 or 400.

Erismatura jamaicensis. Common in the sloughs.

Eumenetes occidentalis. Common. I have seen these birds right along but had shot none, hence was not sure of their identity.

Melospiza cinerea. Common.

Time:- 1:00 P.M. to 6:00 P.M.

Conditions: Similar to morning, wind stronger. (tide flooding)
North shore of San Leandro Bay.
The following birds were seen and some shot:-
Larus glaucescens. A few. } A great many of these birds were
" californicus. " } passing over the town at noon
flying only a few feet above the houses and flying
as much as possible in the shelter of tall trees.
Aythya vallisneria. Not many birds passed in this
afternoon, as they usually do.
Aythya affinis. One.
Clangula (clangula ?) A few.
Erismatura jamaicensis. Common.
Ardea herodias. One or two.
Nycticorax nycticorax. 3 or 4.
Sandpipers. Common.
Squatarola squatarola. A few.
Hawk. One.
Sturnella magna. A few.
At home at noon saw a good many Passer domes-
ticus, a few Zonotrichia leucophrys & Sturnella
Dec 30, 1904.

Alameda, Cal. to San Francisco, Cal.
Time:- 7:00 A.M. to 8:00 A.M.
Conditions:- Overcast & raining; very strong S.E. wind; high sea.

Saw only two or three ducks along the mole, & several gulls in flight low over the water.

On the bay I saw a good many Larus glaucescens and Larus californicus following the boat.

Just after we had left the mole, a flock of cormorants, about 10 passed going S.E. We saw a few ducks in flight.

At High Street Station, I saw a few ducks & gulls quite low over the houses; they were going S.E.

Jan. 2, 1905.

~~Was~~ The following ducks were brought by hunters from Coyote Hills, Alameda Co.:- Anas boschas; Nettion carolinensis; Spatula clypeata; Dafila acuta; and Mareca americana.

Jan. 9, 1905.

During the past week, golden-eyes have been abundant along the mole during the past week. They do not seem to fear the train, as not many fly when it passes.

1904 — Dudley

Actodromas maculata
95,
Actodromas minutilla
55, 58, 59, 60, 61, 62, 63, 64, 69, 70, 72, 80, 84, 90, 95, 99, 104, 109, 115, 138.
Aechmophorus occidentalis
72, 95, 114, 118, 124, 125, 127, 138.
Aegialitis semipalmata
3, 54, 55, 56, 58, 59, 60, 62, 64, 68, 84, 95, 99.
Anas boschas
134, 136.
Anous stolidus
51,
Anser albifrons
134,
Anthus pensilvanicus
122, 138.
Aphelocoma californica
1, 10, 11, 12, 14, 19, 25, 26, 28, 30, 31, 32, 33, 34, 38, 39, 40, 41, 45, 55, 61, 63, 67, 69, 86, 87, 88, 92.
Ardea herodias
5, 6, 7, 9, 10, 11, 13, 14, 15, 16, 17, 18, 23, 30, 36, 39, 40, 41, 42, 43, 46, 47, 48, 49, 50, 54, 56, 58, 59, 61, 62,
63, 64, 65, 66, 69, 71, 72, 73, 75, 78, 79, 81, 84, 85, 86, 87, 88, 89, 90, 95, 97, 98, 99, 101, 102, 103,
104, 105, 106, 109, 112, 115, 120, 135, 143.
Arenaria melanocephala
3, 52,
Aristonetta valisineria
1,
Asio accipitrinus
50, 119.

Aetiagelinus

69, 87, 99, 123.

Aetragalinus fealtria

2, 96, 110, 120.

Aetragalinus tristis

5,

Aythya affinis

123, 135, 136, 137, 139, 140, 143.

Aythya americana

140,

Aythya marila

120, 122, 140.

Aythya vallisneria

130, 133, 134, 135, 136, 137, 139, 140, 142, 143.

Calypte anna

19, 35, 36, 39, 65, 66, 69, 74, 77, 106.

Carpodacus mexicanus

1, 2, 16, 25, 28, 29, 31, 33, 34, 35, 37, 40, 41, 42, 45, 48, 49, 50, 53, 69, 90, 93,

Cathartes aura

74, 81.

Ceryle alcyon

62, 69, 79, 99.

Charadriidae

17,

Charitonetta albeola

122, 139, 140, 142,

Chicken

57,

Circinalis clangula

125, 128, 130, 132, 134, 136, 137, 138, 139, 140, 142, 143.
Colymbus auritus
110, 114, 116, 118, 119, 122, 123, 124, 127, 128, 138, 142.
Colymbus nigricollis.
73, 80, 104, 110, 114, 115, 116, 119, 122, 124.
Conurus holochlorus
52,
Cormorant
70, 85, 98, 103, 105, 107, 115, 121, 122, 126, 131, 144.
Corvus corax
52,
Erynophilus fulicarius
3,
Curlew
4, 17, 25, 27, 30, 36, 37, 38, 39, 40, 42, 54, 56, 57, 58, 73, 75, 80.
Dafila acuta
132, 134, 136, 142.
Dendroica auduboni
110, 139.
Dionedea nigripes
51,
Duck
1, 54, 55, 56, 57, 60, 61, 62, 64, 68, 73, 74, 80, 81, 82, 83, 86, 90, 94, 95, 97, 100, 101, 102, 104, 105, 106, 107, 108, 109, 110, 112, 114, 116, 120, 122, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 137, 141, 144.
Ereunetes occidentalis
3, 25, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 69, 71, 84, 94, 95, 99, 100, 104, 114, 115, 134, 142.
Eremetes pusillus

Crimatura jamaicensis
64, 99, 123, 124, 128, 130, 132, 135, 136, 137, 138, 142, 143.
Euphagus cyanocephalus
1, 2, 9, 11, 13, 14, 15, 21, 24, 25, 26, 27, 28, 29, 30, 32, 35, 39, 46, 49, 66, 70, 71, 73, 74, 77, 79, 82,
83, 86, 89, 91, 92, 93.
Falco
57.
Falco peregrinus
52,
Fregata aquila
15,
Fulica americana
90, 102, 104, 105, 106.
Gavia
95,
Gavia lumme.
130, 138.
Gavia pacifica
72, 75, 119.
Geese
123,
Geothlypis trichas
62, 69, 81, 119.
Godwit
27, 38, 39, 73, 75.
Golden-eye.
128, 130.
Grebe.

67, 76, 96, 97, 98, 100, 101, 102, 103, 104, 106, 107, 108, 110, 112, 113, 115, 118, 119, 121, 123, 124, 126,
127, 128, 130, 131, 132, 133, 134, 141.

Gull.

1, 11, 13, 14, 15, 22, 24, 25, 26, 27, 28, 29, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 54, 58,
64, 65, 68, 71, 72, 73, 75, 77, 81, 82, 83, 84, 86, 87, 88, 89, 90, 92, 93, 94, 96, 98, 101, 102, 104, 108,
110, 111, 113, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 126, 127, 129, 130, 131, 132, 133, 135, 137, 138, 140, 144.

Hawk.

17, 56, 57, 81, 84, 90, 120, 123, 143.

Heteractitis incanus

52.

Hirundo erythrogaster

10, 12, 13, 16, 21, 24, 25, 27, 28, 30, 32, 33, 35, 36, 37, 38, 41, 48, 50, 57, 58, 59, 61, 66, 90.

Hummming-bird.

19, 39, 40, 41, 42, 45, 65.

Hydrochelidon nigra.

53.

Icterus bullocki

28,

Jaeger

76, 88, 97, 98.

Lark

121,

Larus

99, 114, 129, 137.

Larus argentatus

127.

Larus californicus

2, 5, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 49, 50, 56, 62, 64,

75, 76, 77, 78, 79, 81, 82, 83, 84, 85, 86, 87, 88, 89, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 105,
106, 107, 108, 109, 111, 112, 113, 115, 116, 117, 118, 119, 120, 124, 125, 126, 127, 128, 129, 130, 131, 132, 134, 135, 136,
141, 142, 143, 144.

Larus delawarensis

71, 73, 74, 75, 76, 77, 78, 79, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102,
103, 104, 105, 106, 107, 108, 109, 111, 112, 113, 115, 116, 117, 124.

Larus glaucescens.

2, 4, 119, 125, 126, 129, 131, 134, 135, 141, 142, 143, 144.

Larus heermanni

5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38
39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 65, 66, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 82, 83, 85,
86, 87, 88, 91, 94, 95, 96, 97, 98, 99, 100, 107, 109.

Larus occidentalis

1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35,
36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 54, 64, 65, 66, 67, 68, 70, 71, 72, 73, 75, 76
77, 78, 82, 87, 93, 135.

Larus philadelphia

2, 3, 4, 18, 54, 55, 56, 114, 116, 119, 120, 122, 123, 124, 125, 127, 130, 133, 136, 137.

Limicolae.

4, 16, 36.

Limosa

17,

Limosa fedoa:

3, 5, 16, 17, 18, 41, 59, 62, 63, 69, 71, 80, 81, 83, 84, 86, 90, 94, 95, 99, 103, 132.

Loon.

75, 78, 100, 102, 103, 122, 124, 128, 142.

Macrorhamphus scolopaceus

3, 54, 55, 56, 58, 61, 92, 9[illegible]

[illegible]

5, 13, 14, 16, 26, 27, 29, 36, 43, 45, 53, 57, 58, 61, 62, 69, 72, 81, 92, 93, 104, 119, 135, 142.
Merganser-serrator
137,
Mimodes graysoni.
52, 53.
Mirre.
7, 13, 22, 30, 95.
Nettion carolinensis
110, 132, 133, 134, 135, 137, 140, 142.
Numenius
17,
Numenius hudsonicus
2, 3, 5, 53, 59, 60, 62, 63, 64, 69, 80, 81, 83, 90
Numenius longirostris
81, 90, 95, 99.
Nycticorax nycticorax
5, 6, 8, 9, 10, 12, 14, 16, 17, 18, 23, 25, 27, 28, 30, 33, 38, 39, 41, 47, 48, 49, 55, 56, 58, 59, 61 62,
63, 64, 69, 72, 74, 80, 84, 90, 94, 99, 104, 109, 115, 143,
Oidemia deglandi
2, 114, 116, 120, 122, 125, 128, 139, 142,
Oidemia perspicillata
104, 114, 116, 120, 122, 139, 142.
Owl.
50,
Passer domesticus.
1, 2, 8, 10, 12, 14, 16, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39,
40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 53, 55, 58, 59, 61, 63, 64, 65, 66, 67, 68, 70, 71, 73, 74,
75, 76, 77, 78, 79, 81, 82, 84, 86, 87, 88, 89, 91, 94, 97, 98, 99, 100, 101, 102,

125, 129, 131, 132, 139, 143.
Passeres
87,
Pelidna alpina
3, 53, 56, 58, 60, 99, 100, 109, 115, 130, 135, 138.
Petrochelidon lunifrons
16, 27, 30, 53.
Phalacrocorax
32, 43, 44, 67, 68, 72, 74, 81, 86, 88, 91, 92, 93, 95, 99, 101, 114, 116, 135.
Phalacrocorax penicillatus
31, 32, 81, 91,
Phalaropus
4, 80,
Phalaropus lobatus
3, 4, 5, 53, 90.
Pigeon
58,
Pipilo fuscus
22, 31, 35, 41, 59, 69, 139.
Pipilo maculatus
31,
Plover
17, 18, 28, 61,
Proctopus nigricollis
2,
Puffinus chlororhynchus
51, 52,
Puffinus opisthomelas
52,

Ptychoramphus aleuticus
51,
Rail
84,
Rallus obsoletus
57, 59, 60, 61, 62, 63, 64, 72, 74, 80, 99, 100, 132.
Rallus virginianus
100,
Rissa tridactyla
68, 71,
Sandpiper
4, 17, 25, 36, 37, 38, 39, 40, 42, 43, 73, 84, 87, 88, 89, 91, 95, 97, 98, 104, 105, 112, 113, 114,
125, 131, 141, 143.
Scoter
102, 105, 108, 111, 112, 113, 115, 122,
Shearwater
76,
Shore birds
4, 45, 46, 47, 48, 49, 50, 54, 55, 56, 57, 78, 84, 85, 86, 87, 88, 89, 91, 92, 93, 94, 104, 105.
Snipe
38, 57, 58, 59, 60, 62, 63,
Spatula clypeata
132, 134, 138
Squatarola helvetica
17,
Squatarola squatarola
3, 48, 54, 56, 58, 59, 60, 61, 62, 63, 64, 68, 72, 80, 81, 83, 84, 94, 95, 104, 113, 115, 119, 125,
135, 138, 143,

Stercorarius

83, 87, 88, 91, 96.

Stercorarius pomarinus

16, 97.

Sterna

1, 73, 79.

Sterna caspia

3,

Sterna elegans

73,

Sterna forsteri

2, 3, 33, 53, 75, 84, 86, 88, 89, 90, 92, 94, 99, 104, 105, 110, 114, 120, 136, 137.

Sterna maxima

73.

Sternella magna

5, 16, 17, 104, 121, 122, 143,

Sula brewsteri

52,

Sula piscator

52,

Swallow

1.

Symphemia semipalmata

55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 69, 70, 71, 80, 83, 84, 90, 94, 95, 99, 100, 104, 110, 132.

Telmatodytes palustris

69.

Tern

4, 17, 33, 75, 76, 82, 88, 105, 115, 116.

58, 60, 61, 69, 71, 90, 100

Tringa canutus

3, 60

Uria troile

5, 6, 7, 8, 11, 12, 13, 15, 19, 20, 21, 22, 23, 24, 26, 30, 31, 32, 40, 41, 42, 43, 46, 47, 49, 67, 68, 70,

72, 76, 79, 82, 89, 94, 95.

Warbler

90, 115, 125, 132, 143.

Xanthocephalus xanthocephalus

53.

Zamelodia melanocephala.

41, 45, 48, 53.

Zenaidura graysoni

52.

Zonotrichia leucophrys

1, 98, 99, 101, 125, 132, 139, [illegible]

1905 — Notes.
Part II.
January 2 to June 24.

Edward Winslow Gifford

JAN - 2 1905

The following ducks were brought in by hunters from near the Coyote Hills, Alameda Co., Cal.:-

Anas boschas
Nettion carolinensis
Spatula clypeata
Dafila acuta
Mareca americana.

JAN - 9 1905

During the past week, golden-eyes have been abundant along the mole. They do not seem to fear the train, or not many fly as it passes.

I have ridden inside the steamer during the last week in the mornings. On the San Francisco side, Larus glaucescens is abundant; they sit on sheds, on piles, and many follow the steamers. There are few high adults.

In the evenings I ride outside. I then see a few Larus californicus and many Larus argentatus or Larus smithsonianus or both.

JAN 11 1905

(Alameda, Cal. Deep slough dividing Bay Farm Island from the mainland.)

6:30 A.M. to 11:30 A.M.

Conditions:- Clear; cool; light winds.

The following birds were seen and some shot:-

Larus glaucescens. Common.
Larus occidentalis. ?
Larus argentatus. ?
Larus californicus. Common.

When I was rowing home I saw a large flock of gulls up near the canal. Many were to be seen on the mud along the north shore. A good many passed over the marsh, near my decoys.

Nettion carolinensis. A few in the marsh.

Aythya vallisneria. Abundant. About one hundred and fifty birds passed over at 10:52 A.M. going seaward. A few stragglers were also seen.

Aythya marila. A hunter had one. Probably many of the birds I have seen outside are this species, although I have been unable to decide positively.

Aythya affinis. Three obtained — one male and two females.

Clangula clangula. This species was common in the sloughs and on both San Francisco and San Leandro Bays. There has been a notable increase in this species since I last hunted. Almost all the birds are young males and females. I saw only two adult males. All are very wary, particularly those in the sloughs. I have not yet seen (to my knowledge) or shot any Clangula islandica.

Erismatura jamaicensis. A few. This species was not as common as it was last time I was out.

Ardea herodias. Two.

Palidna alpina. Fairly common.

Ereunetes occidentalis. Fairly common.

Squatarola squatarola. A few.

Melospiza cinerea. Common.

Geothlypis trichas. Two.

JAN 14 1904

Alameda, Cal. to San Francisco, Cal.

7:00 a.m. to 8:00 a.m.

Conditions:- Stormy; southeast wind.

There were a good many ducks flying west along the seawall. Along the mole I saw a few Chaetonetta valisineria, a few Edemia deglandi, and a few Edemia perspicillata. Larus glaucescens and Larus californicus were common.

I have put up the following birds since the first of the year:-

199; Aythya affinis; ♀; Alameda, Cal.; JAN - 1 1905; b.a.s. No. 23978.

200; Aythya affinis; ♂; Alameda, Cal.; JAN 11 1905; b.a.s. No. 23981.

201; Aythya affinis; ♀; Alameda, Cal; JAN 11 1905; b.a.s. No. 23980.

202; Aythya affinis; ♀; Alameda, Cal; JAN 11 1905; ————————.

JAN 17 1905

Alameda, Cal. to and from San Francisco, Cal.

7:00 a.m. to 8:00 a.m. and 5:15 P.M. to 5:35 P.M.

Conditions:- Rather overcast; cool; light wind.

Along the seawall and mole there were a few ducks and gulls. On the bay Larus glaucescens was abundant and Larus californicus common.

JAN 19 1905

Alameda, Cal. (Creek, slough and Bay Farm Island - [illegible])

7:00 a.m. to 1:00 P.M.

Conditions:- Overcast; warm; no wind.

The following birds were observed:-

Colymbus auritus. A few outside the island.

Gavia. One.

Larus glaucescens. Common in marsh.

Larus californicus. Common in marsh.

Merganser. Two or three.

Aythya vallisneria. Common.

" marila. Common outside.

Clangula clangula. Common outside. Three young males taken.

Oidemia deglandi. Common outside.

Oidemia perspicillata. Very common outside.

Ereunetes jamaicensis. A few. Some outside.

Ardea herodias. A few in marsh.

No shore birds seen; tide quite high and flooding.

Melospiza cinerea. Common.

Geothlypis trichas. Five or six.

Near home I saw the following species:-

Passer domesticus.

Pipilo fuscus. One.

Euphagus cyanocephalus. About twelve.

There were two large flights of ducks towards the bay, one at 7:00 A. M., the other at 10:15 A. M.

203; Clangula clangula; ♂; Alameda Cal.; C. A. S. No. 23976.

JAN 22 1905

204; Otocoris alpestris; ♂; Ocean View, San Francisco Co, Cal.; E. W. Roemer, Collector; C. A. S. No. 23979.

JAN 23 1905

Alameda, Cal. to and from San Francisco, Cal.

During the last three nights I have observed a few Ardea herodias on the sand along the mole. Yesterday, at home a few Euphagus cyanocephalus passed over. Larus glaucescens is abundant in the evening, and Larus californicus common in the evening

JAN 28 1905

Alameda, Cal. (Deep slough in morning. Outside of bridge in afternoon.)

Conditions:- Foggy in the morning; warm and overcast in the afternoon.

Polymitus [illegible]. One outside the bridge.

Gavia. One.

Larus argentatus. Shot one immature bird.

Larus californicus. Common.

Aythya vallisneria. An outward flight of about fifty at 7:45 a.m.

Clangula clangula. Common.

In the morning I saw no shore birds; however; I heard a plover, Squatarola helvetica, in the fog. I noted several small fringilline birds following the railroad bridge in the fog towards Alameda.

There were practically no birds [illegible]. Away out one the horizon could be seen lines of ducks.

205; Larus argentatus; 5; Alameda, Cal. [illegible]

JAN 28 1905

Alameda, Cal. to and from San Francisco, Cal.

Conditions:- Foggy in the morning, clear and warm in the evening.

Larus glaucescens are abundant in the morning following the boats. Yesterday evening I saw a great many Larus canus or Larus brachyrhynchus right off the ferry slip.

This evening I rode over on the rear decks. Larus glaucescens was abundant. Only one Larus californicus seen. [illegible]

three or four [illegible] Larus argentatus during the past two days.

JAN 30 1905

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 5:35 P.M.

Conditions:-- Moderate temperature; overcast; light rain.

I rode on the forward deck of the steamer. Larus canus or Larus brachyrhynchus was common off the wharves. Larus glaucescens was abundant after the steamer left.

JAN 31 1905

Alameda, Cal. to and from San Francisco, Cal.

Conditions: Same as yesterday.

Larus glaucescens was abundant; a few Larus californicus seen. Ducks have been quite common along the mole and seawall during the past few days.

FEB - 1 1905

Alameda, Cal. to and from San Francisco, Cal.

Conditions:- Moderate temperature; SE wind; rain.

A few ducks along the mole in the morning. I rode inside the steamer. On the San Francisco side I saw a few Larus glaucescens and two Larus argentatus. On the evening I saw a few Larus glaucescens and one Larus californicus.

FEB - 2 1905

Vicinity of Alameda, Cal.

Conditions:- Same as yesterday — stormy.

I started out at 7:30 a.m. and went outside the island. The following birds were seen:-

Colymbus auritus A few

Gulls. A few were seen, apparently some were Larus californicus. There were about a dozen gulls on a bank of mud in the deep slough.

Phalacrocorax. About a dozen.

Dafila acuta. A few flew over.

Nettion carolinensis. A few

Aythya vallisneria. Common.

Aythya marila. A few.

Aythya affinis. A few.

Clangula clangula. Common.

Oidemia deglandi. Two.

Oidemia perspicillata. Abundant.

Erismatura jamaicensis. Common on the beach & in the slough.

Ardea herodias. A few.

Sandpipers. Several small flocks.

Owl. One in marsh.

In addition to the above-named birds, I secured a few of the following species this afternoon in San Leandro Bay.

Gulls. A few. Shot one immature Larus argentatus.

Phalacrocorax. One.

Aythya vallisneria. Common.

Clangula clangula. A few.

Erismatura jamaicensis. Abundant.

Sandpipers. Common.

Symphemia semipalmata. Five.

Squatarola squatarola. Common.

Rallus obsoletus. I came across two swimming about a quarter of a mile off the foot of Central Avenue. Shot one. 206; ♀ Rallus obsoletus; Alameda, Cal.; C. A. S. No 23575

Cythagua cyanoscelis and Anthus pensilvanicus were common at the end of the [illegible].

FEB - 3 1905

Alameda, Cal. to and from San Francisco, Cal.

7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:35 P.M.

Weather:- Somewhat overcast; warm; N.E. wind.

Just as we were getting into the slip on the other side this morning, I saw a few Larus glaucescens and one Larus argentatus on the piles.

This evening while the boat was waiting in the slip there were a good many Larus californicus (???) and Larus glaucescens flying about. I saw one Larus argentatus. The steamer Berkeley came in followed by a great many gulls, apparently Larus glaucescens. A good many of this species passed around our boat as we went across. I was on the forward deck, hence do not know how many birds were following us. Off the SE end of Goat Island we came across a few Larus californicus.

Off the SE end there were several large flocks of Aythya marila, amounting to between two and three hundred individuals. These of course got up as the boat approached. Eight Phalacrocorax passed us, going SE.

Along the mole I saw one small grebe and several Colangula clangula. There were two or three herons, Ardea herodias in the shallow water.

[A flock of about one hundred gray (?) geese passed over the house at about 4:00 P.M. going north-west.]

FEB - 4 1905

Alameda, Cal. to and from San Francisco, Cal.

7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:40 P.M.

Conditions :- Cool; S.W. wind; somewhat overcast.

Along the seawall and mole there were quite a few ducks — two or three hundred. Those close to the mole appeared to be mostly Clangula clangula; they were in one compact flock. On the San Francisco side I saw a few Larus glaucescens and one Larus argentatus as the boat entered the slip. Near the ferry slip in the evening Larus glaucescens was common; one young Larus argentatus on a pile; Larus canus or Larus brachyrhynchus common. On the trip across I saw a few Larus glaucescens and Larus californicus. The former were flying about the boat the latter were on the water. Off Goat Island I saw a bird on the water apparently a rester; it dived as the steamer approached. A few ducks passed, some south and some north.

There were a few ducks along the mole; off the seawall was a flock of about one hundred and fifty

FEB - 5 1905

The following birds were seen among those brought in by hunters yesterday and to-day.

Merganser serrator. One fine adult male.

Aythya vallisneria.

Aythya marila.

Aythya affinis.

Golden eye duck

Yesterday afternoon on the mud at low tide between Lauren's slough and the canal, there were hundreds of ducks, mostly Aythya vallisneria. Reported by hunters. I

FEB - 5 1905

Mr. Loomis observed the following birds while crossing on the "Key Route Ferry":—

Larus glaucescens. Abundant.

Larus californicus. A few.

Larus occidentalis. Two.

Larus canus } Abundant off Goat Island.
Larus brachyrhynchus }

Fulmarus glacialis. One rather light colored individual.

Some of the gulls which I have been recording since the middle of December as Larus californicus were really Larus canus or Larus brachyrhynchus.

FEB - 6 1905

Alameda, Cal. to and from San Francisco, Cal.

7:00 A.M. to 8:00 a.m. and 5:15 P.M. to 5:40 P.M.

Ducks were abundant along the seawall and mole; those quite close appeared to be mostly Glaucula clangula and Aythya vallisneria.

I rode inside the steamer. On the San Francisco side a flock of about fifty Larus canus or Larus brachyrhynchus flew away from in front of the slip as the steamer drew near. Larus californicus, a few; Larus argentatus, 2 immature specimens.

In the evening Larus canus or Larus brachyrhynchus were fairly swarming about the slip. They did not come close to the steamer as did the Larus glaucescens. Many of them were sitting on the water; some would occasionally pick up something. They were not very noisy. The Larus glaucescens, however, were flying continually about the boat. One even alighted on the forward lower deck. I saw only one or two

adult birds. One immature Larus argentatus was seen. On the trip across Larus glaucescens were continually flying about the boat. I saw a few Larus californicus. Larus canus or Larus brachyrhynchus was common. Seven loons passed to the south, also a few ducks.

I saw one sandpiper feeding in a slough near the roundhouse.

FEB - 7 1905

Route, time, and conditions the same as yesterday.

Ducks, mostly Clangula clangula, were abundant along the sea-wall and mole in both morning and evening. I rode over on the after deck. Larus glaucescens followed the steamer in great numbers — very few adult birds, — with an occasional Larus californicus. We ran across a few Larus canus or Larus brachyrhynchus.

While coming along the mole I saw a flock of about fifty Phalacrocorax flying north-west in their wavelike manner. After the boat left the slip more flocks were seen proceeding in a similar direction. Off the south-east end of Goat Island we ran across two large flocks on the water, — one of a hundred or over, the other about fifty. There were a good many gulls on the water, principally Larus canus or Larus brachyrhynchus. About twenty loons passed going north-west, also a few ducks. On the San Francisco side Larus glaucescens and Larus canus or Larus brachyrhynchus were abundant. A few Larus californicus were seen.

In the evening Larus glaucescens and Larus canus or Larus brachyrhynchus were abundant; three or four Larus californicus were seen. Seven loons were seen going south-east while we were off the mole. One Ardea herodias and one grebe were seen on the mole.

FEB - 8 1905

Route, time, and conditions same as yesterday.

I saw a male Passer domesticus fly up to a nest on a house as I was going to the train.

Along the mole and seawall ducks were abundant. On the beach near the roundhouse there were two three hundred sandpipers, along the mole a few gulls. Larus glaucescens followed the boat across in great numbers, many sitting on the hurricane deck, two always sitting on the two flagpoles aft. A good many Larus occidentalis flew past us just off the mole. Two flocks of Phalacrocorax one of about [illegible], the other eleven, passed us off Goat Island; they were going N.W. Two or three other flocks were seen in the distance. A few loons also passed in the same direction. There were only a few Larus canus or Larus brachyrhynchus on the San Francisco side. Gulls were abundant on the roofs of the various wharves.

In the evening Larus glaucescens and Larus canus or Larus brachyrhynchus were abundant on the San Francisco side. Many of the former followed us across. A few Larus californicus were seen. Off Alameda mole fifteen loons passed to the southeast all flying high. Ducks were abundant along the mole; one grebe was seen. One Ardea herodias was on a pile near the roundhouse.

Mr. M. C. Feudner of San Francisco tells me he got seven Mareca americana out of a flock of sixteen at the Sink of Putah Creek in Yolo county, Cal. in 1887. He also says that he saw several in the same locality last year.

Dendrocygna fulva. Mr. Feudner said that at the opening of the season Oct. 15, 1904, there was a flock of twenty-five

these birds in the Suisun marshes. They stayed there for about a month, dwindling to fifteen. Several were taken.

San Leandro Bay, Alameda Co., Cal.

7:30 A.M. to 5:30 P.M.

Conditions:- Light winds; clear; warm; low tide at about 10:30 A.M.

The following are the birds observed:-

Gavia, three or four; Larus, quite common; Larus californicus, three or four; Phalacrocorax, very common, flying as a rule quite aimlessly about, two or three small flocks on the water; ducks, a good many seen near the mouth shore in the morning, three or four seen in the afternoon; Aythya vallisneria, common; Ardea herodias, about ten; Actodromas minutilla and Ereunetes occidentalis, abundant; Pelidna alpina, common; Symphemia semipalmata, a few; Numenius longirostris, one. (A hunter saw a flock of about twenty-five curlew on the south shore of Bay Farm Island.) Squatarola squatarola, very common, flocks, four; Melospiza cinerea, common; Strix [illegible], common

EB 10 1905

San Francisco, Cal. to Alameda, Cal.

5:15 P.M. to 5:40 P.M.

Conditions: Cool, windy; clear.

Gulls were very abundant off the water front.

Larus glaucescens. Abundant.

Larus argentatus. One.

Larus californicus. A few.

Larus canus or Larus brachyrhynchus. Abundant.

As the train passed along the marsh at the west end,

a ~~a~~ large flock of sandpipers in ~~the~~ slough.

A flock of about twelve curlew were ~~on~~ up San Leandro slough this afternoon.

FEB 11 1905

Alameda, Cal. to and from San Francisco, Cal.

7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:40 P.M.

Cool; north wind; clear.

There were few ducks along the seawall, but along the mole there were a good many. On the Bay Larus glaucescens was abundant, following the boat in great numbers. I saw only one or two Larus californicus. Larus canus or Larus brachyrhynchus was quite common of the city. A few ducks and loons were seen going north.

In the evening the following birds were seen:-

Larus glaucescens. Abundant.

Larus argentatus. Two immature birds.

Larus californicus. Two followed us over.

Larus canus or Larus brachyrhynchus. Common. I heard many of these uttering their cries, which consisted of [illegible]

Two or three flocks of ducks of about seven each passed to the north. Two ducks and fifteen loons passed to the south. The latter were flying high and singly. One Merganser and many ducks seen along the mole.

FEB 12 1905

Alameda, Cal.

Conditions:- Cool; clear; north wind.

At home during the morning I saw the following birds:-

Aphelocoma californica. One.
Passer domesticus. Abundant.
Carpodacus mexicanus. Two.
Zonotrichia leucophrys. One immature bird.
Dendroica auduboni. Common. One adult.

In the afternoon, about 2:30 P.M., I went for a short sail. The following were seen in and near San Leandro slough:-
Gulls. A few large ones.
Phalacrocorax. A few.
Clangula clangula. A few. One female taken.
Ardea herodias. Several.
Sandpipers. Common.
Squatarola squatarola. A few.

FEB 13 1905

Alameda, Cal. to and from San Francisco, Cal.
7:30 A.M. to 8:30 A.M. and 5:15 P.M. to 5:40 P.M.
Conditions:- Same as yesterday.

Ducks were not as abundant along the mole as they were two or three days ago. I rode inside the steamer. On the San Francisco side I saw a good many Larus glaucescens.

In the evening Larus glaucescens were abundant, also Larus canus or Larus brachyrhynchus. Seven loons passed to the south while we were off the mole. I saw a flock of about twenty cormorants in the distance. Along the mole I saw two grebes and a good many ducks.

Mr. Loomis saw several Larus occidentalis yesterday, and one bird which he took to be Larus [illegible]. He saw a few more Larus californicus than last Sunday.

16

FEB 14 1905

Alameda, Cal. to and from San Francisco, Cal.
7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:40 P.M.
Conditions:- cool; overcast; S.E. wind.

Ducks were very common but not abundant along the mole. I saw a few cormorants pass north. On the bay Larus glaucescens was abundant. I saw three or four Larus californicus and a few Larus canus or Larus brachyrhynchus. As the boat was entering the slip on the San Francisco side, I saw among several Larus glaucescens standing on the roof of a shed, one Larus glaucus. The plumage was nearly adult; the primaries and secondaries appeared to be white.

In the evening Larus glaucescens was abundant. Off the water-front Larus canus or Larus brachyrhynchus was common. I saw one or two Larus californicus. Four loons passed to the south flying low over the water while we were off the mole. Along the mole [illegible]s were common; one grebe was also seen here.

Larus glaucescens is remarkably bold. One young bird stood on the lower deck this evening within a few feet of the passengers. This morning there was a bird on each of the flag poles on the rear deck. One bird in particular was proud of his position, defending it with great zeal against any would-be usurpers. Very few adults of this species are seen.

Larus canus or Larus brachyrhynchus are nearly all adults.

FEB 15 1905

Alameda, Cal. to and from San Francisco, Cal.
7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:45 P.M.
Conditions:- Overcast, much warmer than yesterday; north wind in morning east wind in evening.

Ducks were common along the mole. As the steamer was leaving a few cormorants passed [illegible]. I also saw a few ducks and loons going in the same direction. One loon was seen passing to the south. Larus glaucescens was abundant. As usual the flagpoles were occupied most of the time. I saw one Larus argentatus, a young bird. Its breast had large patches of white intermingled with the darker markings characteristic of young birds. Larus californicus, three or four. Larus canus or Larus brachyrhynchus [illegible] west of Goat Island.

In the evening the same remarks apply, except for Larus argentatus. One grebe and two ducks were seen off Goat Island. Two ducks were seen along the mole.

FEB 16 1905

San Leandro Bay, Alameda, Cal.
7:00 A.M. to 2:00 P.M.
Conditions :- North by east wind; cool; raining.

The following birds were observed:-
Gavia. Three or four.
Gulls. About fifteen or twenty large ones seen.
Sterna (forsteri ?) A few.
Phalacrocorax. Common.
Aythya vallisneria. Abundant.
Anas [illegible]

Clangula clangula. Two.
Erismatura jamaicensis. A few.
Nycticorax nycticorax. One passed over the house early in the morning.
Ardea herodias. One or two.
Actodromas minutilla. Common.
Crocethia occidentalis. "
Pelidna alpina. A few.
Equatarola helvetica. Common.
The following land birds were seen:-
Molaptes cafer. One.
Ipheloconia californica. One.
Passer domesticus
Euphagus cyanocephalus.
Zenaidura zenaidura.
Pithus pensilvanicus.

FEB 17 1905

Alameda, Cal. to and from San Francisco, Cal.
7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:40 P.M.
Conditions:- East wind; raining; and moderate temperature in the morning. In the evening, clear, no wind, warm.

There were quite a few ducks along the seawall and an abundance of gulls along the mole. Just after we had left the mole three Pychya marila passed along in a northerly direction. There was quite a movement among the loons, thirty or forty being seen going northward. Until we reached Goat Island, Larus californicus predominated, there being about twelve gulls

ing the steamer. Larus glaucescens was abundant from Goat Island on. A few Larus canus and Larus brachyrhynchus were seen. Most of the Larus californicus seen were adults. Two rode on the new flagstaffs. On each of the flagstaffs of the Newark was a gull. Several were riding on her hurricane deck.

In the evening Larus canus and Larus brachyrhynchus were common off the docks. Larus glaucescens was not as abundant as usual. A few Larus californicus were seen. While we were off the mole about a dozen loons passed to the south. Ducks were common, not abundant along the mole and seawall.

FEB 18 1905

Alameda, Cal. to and from San Francisco, Cal.

7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:40 P.M.

Conditions: - Moderate temperature; clear; light wind in the morning. In the evening, clear, overcast, south-west wind.

Ducks were abundant along the mole in the morning. They were only common in the evening.

Four cormorants and three loons were seen going north in the morning. I saw about twelve loons going south in the evening. In the morning there were about an equal number of Larus glaucescens and Larus californicus following our steamer. I saw only a few Larus canus or Larus brachyrhynchus in the forenoon, in the evening only one.

In the evening I saw very few birds following the steamers. An equal number of Larus glaucescens and Larus californicus circled about our steamer. There were about one hundred and fifty gulls on the sand beside the mole, the tide being very low.

FEB 19 1905

Alameda, Cal., to Bay Farm Island bridge.
10:00 A. M. to 1:00 P. M.
Conditions:- Moderate temperature; raining; high southerly wind.

Loons were abundant; two or three grebes were seen; gulls were not common; a few terns were seen — Sterna forsteri (?); Phalacrocorax, hundreds; Aythya vallisneria, very abundant; Aythya marila, common; Aythya affinis, a few; Clangula clangula, a few; Charitonetta albeola, a few; Oidemia deglandi, a few; Oidemia perspicillata, a few; Erismatura jamaicensis, a few. Ducks, loons, and cormorants were together feeding.

FEB 20 1905

Alameda, Cal. to and from San Francisco, Cal.
7:00 A. M. to 8:00 a. m. and 5:15 P. M. to 5:40 P. M.
Conditions:- Slightly overcast; west wind; warm.

Ducks were abundant along the mole this morning. The gulls following the steamer were mostly Larus californicus, Larus glaucescens being in the minority. Three or four Larus occidentalis and one or two Larus canus or Larus brachyrhynchus were seen.

On the evening very few birds were seen following the steamers. More Larus californicus than Larus glaucescens were seen. Three or four Larus were dentirostris were observed. When near the mole four cormorants passed us going south. On the sand near the mole were about one hundred gulls. Ducks were common in the water along the mole and seawall. One grebe was seen.

FEB 21 1905

Alameda, Cal. to and from San Francisco, Cal.

7:00 A. M. to 8:00 A. M. and 5:15 P. M. to 5:40 P. M.
Conditions:- Clear; warm; light winds.

Both in the morning and evening ducks were very common along the mole and gulls were abundant on the sand — about two hundred at each time. On the bay the following gulls were seen:- Larus californicus, common; Larus glaucescens not quite so common; Larus occidentalis, one adult in the morning; Larus argentatus, one immature bird in the evening; Larus canus and Larus brachyrhynchus, common off the city front. In the evening a few ducks were seen on the water off Goat Island, also a few off the sea wall near Fifth Street. Three Oidemia deglandi and two loons were seen passing to the south.

FEB 22 1905

Alameda, Cal. (San Leandro Bay in the morning; outside in the afternoon.)

7:00 A. M. to 5:30 P. M.
Warm; foggy in the morning; clear, west wind in the afternoon.
In the morning the following birds were observed:-

Gulls. A few.

Larus californicus. One young bird shot.

No terns seen.

Several large flocks of ducks observed:- Nythya vallisineria, abundant; Aythya affinis, common; probably also Aythya marila.

Oidemia deglandi. Two.

Erismatura jamaicensis. Common. One of the two females which I shot showed a ruddy tinge on the breast.

Ardea herodias. Two or three.

Pelidna alpina. Common.

Crymetes occidentalis. Common.

Actodromas minutilla. Common.

Equatarola squatarola. Common.

On the afternoon the following were seen :-

Loon. One swimming.

Gulls. A few. Some Larus californicus.

Cormorants. Common.

Ducks very abundant.

Aythya vallisneria. Abundant.

Aythya marila. Abundant.

Aythya affinis. Common. Shot one female.

Charitonetta albeola. Common. Mostly adult males.

Oidemia deglandi. Common.

Oidemia perspicillata. Abundant.

Erismatura jamaicensis. A few.

Near a vegtable garden on High Street, I saw a few Carpodacus mexicanus and several Euphagus cyanocephalus.

207; Aythya affinis; ♂; Alameda, Cal.; C.A.S. No. 24223

209; Aythya affinis; ♀; Alameda, Cal; C.A.S. No. 24221

210; Erismatura jamaicensis; ♀; Alameda, Cal.; C.A.S. No. 24225

211; Erismatura jamaicensis; ♀; Alameda, Cal.; C.A.S. No. [illegible]

FEB 23 1905

San Leandro Bay, Alameda, Cal.

6:30 A.M. to 12:00 A.M.

Conditions :- Rather clear; warm; no wind.

A few Larus californicus were seen. Ducks were abundant, the following species being seen :-

Aythya vallisneria. Common.
Aythya marila. Common.
Aythya affinis. Common.
Clangula clangula. Four.
Erismatura jamaicensis. A few.
Seven Aythya affinis, five females and two males swam into my decoys.
Ereanetes occidentalis. Abundant.
Actodromas minutilla. Abundant.
Squatarola squatarola. Common.
Pelidna alpina. Common.
208; ♀; Aythya affinis; Alameda, Cal.; C.A.S. No. 24222
One owl was seen.

FEB 24 1905

Alameda, Cal. to and from San Francisco, Cal.
7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:40 P.M.
Conditions:- Foggy in the morning; clear and calm in the evening.
Both in the morning and evening the following gulls were observed:-
Larus glaucescens. Common.
Larus californicus. Very common.
Larus occidentalis. Three or four.
Ducks were very common along the mole. Saw three pair north.

FEB 25 1905

Alameda, Cal. to and from San Francisco, Cal.
7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:40 P.M.

Conditions:- Clear; warm.

Ducks were common/ich th[illegible]ning along the mole and abundant in the evening.

Larus glaucescens. Common.

Larus californicus. Very common.

Larus occidentalis. Twelve three in the evening.

About fifteen loons were seen going south in the evening.

212; 1 Agriotrys montezumae; 1; Cumanea, Sonora, Mexico, FEB 21 1905

Taken by H. F. Payne; C. A. S. No. 23986.

FEB 26 1905

Alameda, Cal.

Conditions:- Foggy in the morning [illegible] and warm in the afternoon.

I walked down to the beach when the tide was out quite a ways. There were a good many shore birds at the foot of Central Avenue; ducks were abundant in the channel.

FEB 27 1905

Alameda, Cal. to and from San Francisco, Cal.

7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:40 P.M.

Conditions:- Clear; warm; light winds.

Along the mole in the morning ducks were common. Just after we left the slip about thirty Phalacrocorax passed to the north, also a loon. I saw two Plecanus flying in a southeasterly direction.

Larus glaucescens and Larus californicus were very common, the latter being slightly in the minority. These two species follow the steamer as abundantly as ever. It is the delight of the former to ride on the flagstaffs of the ferry boats, this being a position

particularly coveted by the younger birds. A few old birds of this species were seen. Larus glaucescens has three cries from what I have seen and heard:- First: it has a [illegible] of one note somewhat like a mew; then it has a long ringing cry which is uttered when several make a furious dash for some floating titbit; the last cry is one of defiance, when a bird lights on a flag staff it usually has to dislodge the previous occupant, which is done by hovering over him threateningly. Once firmly established the owner stretches out his neck horizontally, opens his mouth very wide and utters several closely connected notes; this cry sounds somewhat like a person sharpening a razor on a [illegible].

Larus occidentalis. A few adults in the evening, 2 in the morning.

A few Larus brachyrhynchus or Larus canus were seen in the evening. Ducks were then common along the mole — some Aythya vallisneria. Two gulls were on the beach at the roundhouse. Some were also seen in flight along the mole. Two grebes were seen.

FEB 23 1905 Alameda, bal. to & from San Francisco [illegible]

Conditions:- Foggy in the morning; clear and warm in the afternoon.

I rode inside the steamer. On the San Francisco side, I saw several Larus glaucescens.

In the evening Larus californicus was common; Larus glaucescens is few; Larus occidentalis, two [illegible]; I saw one loon going north, west of Goat Island; two going south; also eight cormorants passing in the same direction. There were a few ducks along the

JAN -1 1905

Alameda; bal. to and from San Francisco; bal.

conditions;- Foggy in the morning; warm and calm in the evening

Gulls followed the boat very commonly both the evening:-

Larus glaucescens. Very common. A few adults. A good many with the fish at San Francisco in the morning.

Larus occidentalis. Becoming common. Mostly adults.

Larus argentatus. A few adults. Mr. Loomis saw two or three last Sunday.

Larus californicus. Common. Mostly adults.

Larus brachyrhynchus or Larus canus. Two or three.

JAN -2 1905

Conditions: Same as yesterday. Alameda, bal. to & from San Francisco, bal.

In the morning the following birds followed the steamer across.!-

Larus glaucescens, common; Larus occidentalis, common; Larus argentatus, two or three adults; Larus californicus, very common. In the evening the following were seen:- Larus glaucescens, a few; Larus occidentalis, a few; Larus californicus, a few; Larus argentatus, three or four adults and immature birds. When off the mole I saw five ducks going north; a loon and a cormorant passed to the south.

Along the mole were a few ducks; I saw four bands of about thirty each flying out. In the shallow water was an Ardea herodias. Quite a number of gulls were on the sand. At Fifth St. Station, I saw two Euphagus cyanocephalus in an eucalyptus tree. A few ducks could be seen a little way off shore. This evening after I got home I heard a Nycticorax nycticorax pass over. I hear them quite frequently.

MAR - 6 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Foggy in the morning; warm and clear in the afternoon.

I rode inside the steamer in the morning. Larus glaucescens was very common on the piles on the San Francisco side. Near the roundhouse I saw a few gulls on the sand; a few ducks were seen along the mole.

In the evening Larus glaucescens and Larus californicus were very common; Larus occidentalis, a few. Ducks were quite common along the mole and seawall. There two or three hundred gulls on the sand near the roundhouse.

MAR - 8 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Clear; warm; light winds.

In the morning gulls were abundant on the beach near the roundhouse. Ducks were common along the seawall, apparently mostly scaup ducks. I saw three Clangula clangula and one Merganser serrator. Along the mole ducks were very common. One Ardea herodias was standing quite near the track. I rode inside the steamer. There were many Larus glaucescens on the San Francisco side.

In the evening Larus glaucescens was abundant; Larus occidentalis, common; Larus californicus, common; Larus brachyrhynchus or Larus canus, one or two. I saw a few loons passing south. Along the mole ducks were not very common. There were two or three hundred gulls, in the shallow water and on the sand

MAR - 9 1905

San Leandro Bay, Alameda, Cal.

6:00 a. m. to 11:00 a. m.

Conditions:- Overcast in early morning; no wind to speak of.

Larus.— Apparently Larus californicus and Larus argentatus. A few seen.

Terns. Three. Probably Sterna forsteri.

Cormorants. A few flying back and forth.

Ducks. Abundant.

Aythya vallisneria. Very common.

Aythya marila. Common. Two males and six females swam into my decoys.

Aythya affinis. Common.

Clangula clangula. Quite a few. Shot one out of three fine adult males.

Erismatura jamaicensis. Common.

Sandpipers were abundant on the flats. I saw a large flock of shore birds lighting on the mud in the distance, apparently curlew or godwit from the cries they uttered.

Egualarola squatarola. Common.

Ardea herodias. Three or four.

Macrorhamphus griseus. A hunter got three.

213; Aythya marila; ♂; Alameda, Cal.; C.A.S. No. 24226.

214; Clangula clangula; ♂; Alameda, Cal.; C.A.S. No. 24227.

215; Aythya marila; ♀; Alameda, Cal.; C.A.S. No. 24230.

216; Aythya marila; ♀; Alameda, Cal.; C.A.S. No. 24229.

218; Aythya vallisneria; ♀; Alameda, Cal.; C.A.S. No. 24232.

219; Aythya vallisneria; ♀; Alameda, Cal.; C.A.S. No. 24231.

MAR 10 1905

San Leandro Bay, Alameda, Cal.
6:00 a.m. to 12. m.
Conditions:- Overcast; warm; S.E. wind.

Ducks were very common:-
Dafila acuta. Two.
Aythya vallisneria. Very common.
Aythya marila. Common.
Aythya affinis. Common.
Clangula clangula. A few.
Erismatura jamaicensis. Common. In good sized flocks.
Ardea herodias. Two or three.
Sandpipers. — Ereunetes occidentalis; Actodromas minutilla; Pelidna alpina. Very common.
Macrorhamphus griseus. A few.
Numenius longirostris. One.
Squatarola squatarola. Common.
Gulls. Unte a few Larus californicus.
Cormorants. Two or three.
At the foot of the strat I saw quite a few Euphagus cyanocephalus and Anthus pensilvanicus.
217; Aythya vallisneria; ♀; Alameda, Cal.; C.A.S. No. 21228.
This bird showed considerable abnormal yellowish [illegible] breast. I do not think it was iron stain.

MAR 11 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- S.E. wind; rain; warm.
Ducks were common along the mouth [illegible]

mode inside the steamer in the morning. On the San Francisco side Larus glaucescens was very common sitting on the piles.

In the evening gulls were abundant:- Larus glaucescens, common; Larus occidentalis, a few; Larus argentatus, two or three adults; Larus californicus, common. Two loons and a Clangula clangula were seen going south when we were off the mole. The loons were sitting on the water. Three scaup ducks passed us going north.

MAR 13 1905

San Francisco, Cal. to Alameda, Cal.

Conditions:- Stormy yesterday and to-day until this afternoon; warm; light wind; overcast.

Larus californicus. Abundant.

Larus glaucescens. A few immature birds.

Larus argentatus. Probably two or three.

Pelecanus californicus. One flying [illegible].

Saw one grebe off Goat Island. About seventy scoters passed us, going south in two bodies. A few ducks were seen along the mole and seawall. In the morning they were common. Aythya marila seems to be in the majority; I also saw a few Aythya vallisneria. Two Clangula clangula were seen in a slough along First Street.

MAR 14 1905

San Francisco, Cal. to Alameda, Cal.

Condition:- Storm approaching from the S.E.

In the morning ducks were common along the mole and seawall. Saw some Aythya vallisneria and some Aythya marila, also a good many scoters. The same remarks apply to the evening trip.

In the evening Larus californicus was very common; Larus glaucescens, common; Larus argentatus, probably two or three Larus occidentalis, a few. Gulls were very common along the mole; all were circling about; the tide was high.

While west of Goat Island we came across an auk of some kind; it was too small to be a murre. When off the mole fourscaup ducks passed us going west.

MAR 16 1905

Alameda, Cal. to and from San Francisco Cal.
7:00 A.M. to 8:00 A.M. and 5:15 P.M. to 5:45 P.M.
Conditions: More or less stormy all day.

Was a.m. over the mole with [illegible] morning — tide was [illegible] to be muddy waters and [illegible].

The following gulls were seen:—
Larus glaucescens. A few.
Larus occidentalis, [illegible].
Larus argentatus (?) One or two.
Larus californicus. Common.
Saw three Pelicans (Pelecanus californicus) off the ferry slip in the evening and three on the water near the big thicket on the Alameda side.

MAR 18 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:— Stormy both yesterday and to-day.

Ducks are fairly common along the mole. Hundreds of gulls are seen here on the sand at low tide. This evening I saw an Uria troile beside the mole. Observed the

or four Aechmophorus occidentalis during the past two days both near and on the bay. The ducks appear to be mostly scoters and scaup ducks (Aythya marila and Aythya affinis). The following gulls have been seen during the last couple of days:- Larus glaucescens. Common.

Larus californicus. Very common.

Larus occidentalis. A few.

I am now quite certain that the small auk I saw on the 14th inst. was an Uria troile.

MAR 20 1905

Alameda, Cal. to and from San Francisco, Cal.

Conditions:- Stormy.

Ducks are fairly common along the mole and seawall; they are mostly scoters. There are several Oidemia deglandi which keep in close to the mole, they are not adults. I have seen them there for a month easily. Gulls were on the sand by the hundreds in the evening. In the morning I saw quite a number also,- mostly Larus californicus, some Larus glaucescens, immature. On the gulls of the bay the same remarks apply as were made Mar. 18.

In the evening I saw three Oidemia perspicillata going north, and two going south. Two Clangula clangula were seen. We passed an Uria troile off Goat Island. I saw another and an Aechmophorus occidentalis off the mole.

MAR 23 1905

San Leandro Bay, Alameda, Cal.

7:00 A.M. to 2:00 P.M.

Conditions:- Light winds; warm; overcast.

The following birds were observed:-

Colymbus nigricollis. One bird in breeding plumage, no full however.
Gavia lumme. Quite a few.
Larus californicus. A few.
Cormorants. Quite a few.
Anas boschas. Three in march.
Nettion carolinensis. Three in march.
Aythya vallisneria. Fairly common.
Aythya manila. Very common.
Aythya affinis. A few.
Clangula clangula. Quite a few. Mostly adult males.
Erismatura jamaicensis. A few. Taking on the breeding plumage, particularly on the neck, somewhat on the back.
Ardea herodias. Two or three.
Nycticorax nycticorax. One.
Botaurus lentiginosus. One.
Shore birds — curlew, common; Iguatarola squatarola, a few; sandpipers, common.
Euphagus cyanocephalus and Anthus pensilvanicus, common along the beach and adjoining fields.

MAR 24 1905

San Leandro Bay, Alameda, Cal.
6:00 a.m. to 12:30 P.M.
Conditions: Warm; light winds; low tide.
One small grebe.
Gavia lumme: Common. About six o'clock one

went to the beach there several near and under the houses. They were quite fearless. Many were uttering their cries. I shot three of them in Damons slough, one high breeding plumage, another showing a little red on the neck and some gray at the base of the bill.

Gulls. A few.

Cormorants. About twenty, all going north.

Ducks. Abundant.

Aythya vallisneria. Common.

Aythya marila. Abundant

Aythya affinis. A few.

Clangula clangula. A few.

Erismatura jamaicensis. Quite a few.

Numenius hudsonicus. Two.

Squatarola squatarola. Quite a few. Some showing black on the breast.

Actodromas minutilla. Common. Shot one which showed considerable red on the back.

Crenetes occidentalis. Common.

Pelidna alpina. Common.

220; Aythya marila; ♀; Alameda, Cal., MAR 23 1905; C.A.S. No. 24233.

221; Gavia lumme; ♂; Alameda, Cal., C.A.S. No. 24236.

222; Gavia lumme; ♂; Alameda, Cal., C.A.S. No. 24238.

223; Numenius hudsonicus; ♀ Alameda, Cal., C.A.S. No. 24237.

MAR 27 1905

San Leandro Bay, Alameda, Cal.

6:00 A.M. to 12 M.

Conditions:- Fairly warm; light winds; clear.

The following species were seen:—

Grebes. (small.) One or two.

Aechmophorus occidentalis. Two or three.

Gavia immer. Common. Out of five which I shot one was in quite high plumage, the blue-gray being well developed, while the rest was beginning to show in spots.

Larus. Very common.

Larus argentatus. Quite a few in San Leandro slough.

Larus californicus. A few.

Larus philadelphia. A few. Shot one with a mottled head.

Larus. Bore.

Cormorants. Quite a few.

Merganser serrator. A few.

Aythya vallisneria. Common.

Aythya marila. Common.

Aythya affinis. A few.

Clangula clangula. Common. Mostly adult males.

Erismatura jamaicensis. Common.

Fulica alpina. Common.

Actodromas minutilla. Common.

Ereunetes occidentalis. Common.

Symphemia semipalmata. A few.

Totanus melanoleucus. Two.

Squatarola squatarola. Common. Some with black bellies

Ardea herodias.

224; Totanus melanoleucus; ♀; Alameda, Cal.; C.A.E. No. 2[illegible]

225; Larus philadelphia; ♀; Alameda, Cal.; U.S. No. 24235
226; Gavia immer; ♂; Alameda, Cal, U.S. No. [illegible]

I saw also hundreds of curlew, probably Numenius hudsonicus, they were in two or three large flocks principally south of the S.P.C.R.R.

JUN 2 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Stormy; strong southerly wind.

Gulls were very common on the bay in the evening:- Larus glaucescens, common; Larus occidentalis, 20 or 30; Larus californicus, common. Ducks: two seen going north; not very common along mole and seawall, Aythya marila and Oidemia deglandi; in the morning ducks were common in these two places. I saw two Larus argentatus on the piles on the San Francisco side.

MAR 21 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; light winds; clear.

Ducks were fairly common along the seawall and mole in the morning, they appear to be mostly scoters and Aythya marila. A few Oidemia deglandi still stay in close to the rocks near the cliffs. Saw one grebe in the morning and two in the evening. Ducks were not common in the evening.

Larus californicus is abundant on the bay, Larus glaucescens, a few. There were several hundred gulls on the sand along the mole and along the south shore of the town. About twenty Phalacrocorax dilophus passed over as I was going

to the train. Sonae [illegible] from the breast to bill.

Mr. Beck went shooting in San Leandro Bay to-day. He got the following birds:-

Merganser serrator. One.

Pelidna alpina. Four or five with considerable black on the breasts.

Symphemia semipalmata. One in quite high plumage.

Erismatura jamaicensis. One in fairly high plumage.

APR - 1 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; clear; light winds.

Larus californicus, mostly adult birds with white heads very abundant. A few immature Larus glaucescens are seen. Ducks were very common along the mole this morning and fairly common in the evening. Saw two large flocks of Aythya marila and scoters going north this afternoon. Along the mole Aythya marila and Oidemia deglandi seemed to be the rule. Gulls were abundant on the sand both in the morning and afternoon. On the south shore I saw some gulls which appeared from their butterfly-like flight to be Larus philadelphia.

APR - 3 1905

Mr. Beck went hunting to-day in San Leandro Bay, Alameda, Cal. He obtained the following

birds:-

Merganser serrator. One fine adult male.
Aythya marila. One fine adult male.
Nycticorax nycticorax. One fine adult male.
Erematurа jamaicensis. Two in fairly high plumage.
Equatorola equatorola. Four in high plumage.
Symphemia semipalmata. One in quite high plumage.
[illegible] scolopaceus. One in high plumage.

APR -5 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; clear; light winds.

Larus californicus follow the steamers abundantly. A few Larus glaucescens are seen. Nearly all the Larus californicus are snowy-headed adults.

Along the mole ducks are fairly common, mostly scoters and Aythya marila. Yesterday morning they were abundant. This morning their numbers had decreased greatly. This evening there were only a few. A few dilapidated Oidemia deglandi still hang around down near the slip. Gulls are very abundant. On the sand at low tide both morning and evening. This morning I saw several Larus philadelphia and quite a few sandpipers near the roundhouse. This evening I saw in addition to the very large flocks of Larus californicus on the sand a few shore-birds, probably Limosa fedoa.

APR -6 1905

San Leandro Bay, Alameda Co., Cal.

6:00 a.m. to 2:00 P.M.

Conditions:- Warm; windy in the afternoon; clear.

The following species were observed:-

Gavia imber. One near R.R. draw.

Gavia lumme. A few. One shot with considerable grey on the throat.

Gulls. Quite a few. -Larus glaucescens and Larus californicus

Larus philadelphia. One.

Sterna forsteri. A few. There were several flying about near Melrose slough. Some were chasing each other. There were crying very much like Phaëthon æthereus.

Cormorants. A few.

Merganser serrator. A few. Two or three fine adult males.

Querquedula cyanoptera. Two. A male and female. Female in poor condition.

Spatula clypeata. A few flying south.

Aythya vallisneria. Common.

Aythya marila. Abundant.

Aythya affinis. A few.

Clangula clangula. A few.

Erismatura jamaicensis. A few.

Ardea herodias. A few.

Nycticorax nycticorax. A few.

Macrorhamphus scolopaceus. A few. Two taken in high plumage and one in worn plumage.

Actodromas minutilla } Both species getting into breed-
Ereunetes occidentalis } ing plumage

Pelidna alpina. Common.
Symphemia semipalmata. Common.
Numenius hudsonicus. Abundant
Squatarola squatarola. Abundant.
Calcyulus holboellii. One taken 3 W of Sp. & AR. Two

APR - 6 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; clear; somewhat wind.

Gulls are fairly common along the seawall and mole, Terns are abundant on the sand. Larus philadelphia common. Quite a number of sandpipers and a few large shore birds were seen at the roundhouse.

APR - 9 1905

The remarks made yesterday also apply to-day. Larus californicus is abundant on the bay. A few Larus glaucescens are also seen here. A good many of these are seen on the piles.

Mr. Beck obtained the following birds from Alameda to-day:- Gavia lumme, one showing considerable gray and some red on the throat; Merganser serrator, two adult males and one female; Aythya vallisneria, one male; Aythya affinis, one male.

APR 10 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; breezy; somewhat overcast in morning.

In the morning on the sand near the roundhouse, gulls were quite common, sandpipers abundant, and large shore birds one or two were seen. Larus philadelphia, a few

Ducks are fairly common along the mole. One cormorant here.

On the evening on the bay Larus californicus was abundant, Larus glaucescens a few, and Larus occidentalis, two. Off Goat Island we came across one Larus philadelphia. Along the seawall and creek we saw quite a few ducks, mostly Aythya vallisneria.

APR 11 1905

In going to and from the city ducks were not common. There were quite a few sandpipers and gulls on the beach.

APR 12 1905

San Leandro Bay, Alameda, Cal.

6:00 a. m. to 9:30 a. m.

Conditions:- Warm; west wind; clear.

The following birds were observed, principally S. of the railroad:-

Gavia imber. One.

Gavia lumme. Quite a few.

Larus. Very common. Larus californicus and Larus philadelphia, common. I saw one Larus occidentalis. A great many of the 1st two species were on the beach above the Bay Farm Island bridge.

Sterna forsteri. Quite common.

Cormorants. Very few.

Pelecanus californicus. One.

Ducks were common:-

Merganser serrator. A few.

Aythya vallisneria. Fairly c[illegible]

Aythya marila. A few
Aythya affinis. Two or three.
Clangula clangula. A few
Oidemia deglandi. One.
Nyctiocorax nycticorax. A few.
Macrorhamphus scolopaceus. A few.
Actodromas minutilla
Ereunetes occidentalis } Abundant.
Pelidna alpina
Limosa fedoa. One
Symphemia semipalmata. Several.
Numenius hudsonicus. Abundant.
Squatarola squatarola. Common.
Aegialitis semipalmata. Three.

227; Querquedula cyanoptera; ♀; Alameda, Cal.; APR - 6 1905; C.A.S. No. 24244.
228; Colymbus holboellii; ♂ Alameda, Cal; APR - 6 1905; C.A.S. No 24243.
229; Numenius hudsonicus; ♀; Alameda, Cal.; C.A.S. No [illegible]247.
230; Numenius hudsonicus; ♀; Alameda, Cal.; C.A.S. No - 24249
232; Numenius hudsonicus; ♂.; Alameda, Cal; C.A.S. No 24248
233; Aegialitis semipalmata; ♂; Alameda, Cal; C.A.S. No. [illegible]
234; Squatarola squatarola; ♂; Alameda, Cal; C.A.S. No [illegible]
235; Sterna forsteri; ♀; Alameda, Cal.; C.A.S. No. [illegible]
229; Larus fuscus; Alameda, Cal; APR 11 1905; C.A.S. No. [illegible]
APR 13 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; windy; clear.

There were comparatively few ducks along the mole, those seen were Aythya marila, Oidemia deglandi, Oidemia perspicillata. One Aechmophorus occidentalis seen here.

Larus californicus is abundant, a good many being seen on the roofs of sheds. A few Larus glaucescens were observed, all immature birds.

Mr. Beck obtained the following birds from Alameda the day before yesterday:- Gavia lumme, Merganser serrator, Aythya marila, Oidemia jamaicensis, Macrorhamphus scolopaceus, Symphemia semipalmata, and Squatarola squatarola; Totanus melanoleucus.

I have seen quite a few Carpodacus mexicanus and Hirundo erythrogaster during the last three or four days.

APR 14 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; windy; clear.

Ducks were not common along the mole this morning. I saw Aythya marila and Oidemia deglandi. There were several (cormorants?) sitting on some stakes quite a ways out. In the evening I saw only a few ducks. Larus californicus (adults,) are abundant on the bay. A few immature Larus glaucescens are seen.

Mr. Beck obtained the following Birds from Alameda yesterday:-

Colymbus auritus. Quite high plumage.
Aythya vallisneria.
Aythya marila.
Clangula clangula.
Symphemia semipalmata.
Macrorhamphus griseus.
Squatarola squatarola.

#44.

Noted several hundred sandpipers flying about the marsh near the roundhouse this morning. I saw a few in a slough this evening.

APR 15 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions :- Stormy, clearing in the late afternoon.

Ducks are not common along the mole, those seen this morning were b. angulus clangula, one; Aythya marila still fairly common, there being about equal proportions of males and females, Oidemia deglandi, several. I saw some small grebes along the mole, probably they were Colymbus nigricollis. I saw several this evening.

Besides a great many Larus californicus and three or four Larus glaucescens, I saw two or three Larus occidentalis. This morning I saw several ducks and two loons going north. There were few gulls on the water owing to the storm which made the bay quite choppy. This evening while still off the mole I saw several Larus philadelphia passed me going south; all were hooded. There were a good many gulls and an abundance of sandpipers on the beach this afternoon. Nearby I saw several ducks in a slough close to the roundhouse.

APR 17 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions :- Warm; somewhat overcast; light winds.

[illegible] this evening. Gulls and sandpipers were common on the

sand near the roundhouse. On the bay Larus californicus is very common. In the evening I saw eight Ayethya marilla and two scoters going north. Off Goat Island about a dozen Larus philadelphia passed me in the same direction.

Mr. Beck obtained about twenty-seven birds from Alameda to-day. The majority were Macrorhamphus scolopaceus. The remainder were as follows:-

Oidemia deglandi. One.
Pelidna alpina. A few.
Egialitis semipalmata. Two or three.
Squatarola squatarola. Three.

APR 18 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; overcast at times; quite windy.
Along the marsh I observed large flocks probably Curlew. Gulls and sandpipers were seen on the mole and beach near the roundhouse. There were quite a few ducks along the mole. Larus californicus is abundant on the bay. In the evening I saw one or two Larus occidentalis - adults. Along the Alameda shore I saw a few and many Larus philadelphia. In the evening I saw several Oidemia deglandi flying in a southerly direction.

APR 22 1905

Alameda, Cal. - and from San Francisco Cal.
Conditions:- Warm; windy; clear.
Yesterday we walked to the [illegible]

marsh near the roundhouse— Numenius hudsonicus and Tringa pipers were very common on the [illegible] low tide; gulls common— Larus californicus and Larus philadelphia. Only a few ducks are seen along the mole; they are chiefly Aythya marila and Oidemia deglandi, the latter in the majority. The last two evenings I have seen as many Larus philadelphia off Goat Island. Yesterday morning I saw three or four Nycticorax nycticorax in the beach near the sea wall. This morning several. Mr. Beck obtained the following birds from Alameda yesterday:—

Aythya vallisneria
Clangula clangula
Erismatura jamaicensis
Pelidna alpina
Aquatarola squatarola
Macrorhamphus griseus

APR 24 1905

[illegible]; Cool. Top of [illegible] San Francisco, Cal. [illegible]— Overcast; warm; windy.

Only a few Aythya marila and Scaup were seen along the [illegible]. A few Numenius hudsonicus and Tringa pipers were seen on the marsh. Sandpipers and Tringa were common on the exposed sand. Two or three Nycticorax were [illegible] Philadelphia.

Larus californicus is abundant on the bay.

APR 25 1905

Mr. Beck obtained the following birds from [illegible]—

media, Cal. to-day:-
Colymbus auritus, Ardea occidentalis, Egretta
[illegible] Ereunetes, Meganeryeryle-
ton, Dendrocygna [illegible], Merganser serra-
tor, Symphemia semipalmata, Limosa fedoa, Numenius
hudsonicus, Pelecanus erythrorhynchos, Pelecanus
occidentalis, Phalacrocorax penicillatus, Ereunetes occidentalis,
Actodromas alpina, Ereunetes mauri, Actodromas
[illegible], Actodromas [illegible], Actodromas
[illegible], Actodromas [illegible], Actodromas
[illegible], Actodromas [illegible],

Larus californicus. Fairly common.
Larus philadelphia. Common.
Sterna forsteri. Common.
Phalacrocorax ~~x~~. Three or four.
Merganser serrator. One or two.
Aythya vallisneria. One or two.
Aythya marila. Three or four.
Clangula hyemalis. Two or three.
Arenaria interpres. Several.
Shore birds were abundant. Sand pipers were feeding at the foot of the street.
Tringa canutus. Quite common in a flock in San Leandro Bay.
Tringa ~~x~~.
Pelidna alpina. A few.
Erunetes occidentalis. Abundant.
Macrorhamphus griseus. Very common.
Simphemia semipalmata. Several.
Limosa fedoa. Several.
Numenius hudsonicus. Abundant.
Squatarola squatarola. Several. Common this spring.
Aegialitis semipalmata. Fairly common. Common this spring.
Several Numenius hudsonicus this afternoon. The other species during several terms have been [illegible].

APR 28 1905

Mr. Beck obtained the following species from Alameda, Cal. to-day:-

Macrorhamphus griseus; Crocethia alba (1), Ereunetes occidentalis, Totanus melanoleucus (1), Synthliboramphus antiquus, Numenius longirostris (1), Squatarola squatarola, and Egialitis semipalmata, also Catoptrophorus semipalmatus. He obtained a set of eggs from one pair presumably of the latter.

MAY - 1 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Stormy, particularly after noon.

A few ducks are still to be seen along the mud flats in the morning I saw only Clangula clangula. In the evening I also saw a small flock of Oidemia americana. Some Gaviae were also seen. Nothing else.

Mr. Bell obtained the following birds from Alameda to-day:-

Macrorhamphus griseus; Ereunetes occidentalis; Synthliboramphus antiquus, one in winter plumage; Larus philadelphia.

Yesterday afternoon while down at the beach ~~in the afternoon~~ when the wind was blowing quite hard from the west and the tide was fairly high I noted the following:- Larus philadelphia, common some with mottled heads; Gaviae, ~~sp~~ Pelecanus, one or two; sandpipers, common; Phalaropus, Phalaropus, one. While returning I noticed a flock of curlews flying over the town, uttering loud cries at the same time.

MAY - 5 1905 and MAY - 6 1905

Time: 6:00 A. M. to 6:30 P. M.

San Leandro Bay, Cal. (Alameda Co.)
Conditions:— Warm, windy, and somewhat overcast Friday
Stormy Saturday.

Gavia pacifica. One Sat. in canal.
Larus californicus. Fairly common.
Sterna forsteri. Common.
Aythya vallisneria. One or two.
" marila. " " "
Clangula clangula. A few.
Oidemia perspicillata. One or two. Friday.
Ardea herodias. One or two.
Nycticorax nycticorax. Fairly common.
Macrorhamphus griseus. A few.
Tringa canutus. One in deep slough Friday. Very common in Melrose slough.
Pelidna alpina. Common in Melrose slough.
Crenutes occidentalis. Not very common.
Symphemia semipalmata. 3 or 4.
Totanus melanoleucus. Mr. Beck got one Friday.
Limosa fedoa. A few.
Numenius hudsonicus. Very common.
Squatarola squatarola. Three or four.
Aegialitis semipalmata. Common. One can also tide water in San Leandro slough. The courting antics (?) of these birds are as follows:— A bird will ruffle up its feathers and run at another, clucking like a hen and wriggling up by giving sort of cackle.

Obtained a nest containing 5 eggs of Euphagus cyanocephalus from a willow tree near the [illegible]

238. Limosa fedoa. ♀ Alameda, Cal., APR 27 1905; C.A.S. No. 24534

237. Macrorhamphus griseus ♂ Alameda, Cal. APR 27 1905; C.A.S. No. 24542

239 " " ♂ " " " " " C.A.S. No. 24539

240 " " ♂ " " " " " C.A.S. No. 24543

241 " " ♀ " " " " " C.A.S. No. 24544.

242 " " ♀ " " " " " C.A.S. No. 24536

243 " " ♀ " " " " " C.A.S. No. 24540

245. " " ♂ " " " " " C.A.S. No. 24541

247 " " ♀ " " " " " C.A.S. No. 24535

(Tape worms in intestines.)

244. Macrorhamphus griseus ♂ Alameda Cal. APR 27 1905; C.A.S. No. 24538

236. Tringa canutus ♀ " " " " " C.A.S. No. 24551

248. Pelidna alpina ♂ Alameda, Cal. MAY - 5 1905; C.A.S. No. 24532

249. Tringa canutus ♀ " " " " " C.A.S. No. 24552

250 " " ♂ " " " " " C.A.S. No. 24546

251 " " ♂ " " " " " C.A.S. No. 24559

252 " " ♀ " " " " " C.A.S. No. 24555

253 " " ♂ " " " " " C.A.S. No. 24558

254 " " ♂ " " " " " C.A.S. No. 24553

255 " " ♂ " " " " " C.A.S. No. 24545

256 " " ♂ " " " " " C.A.S. No. 24560

257 " " ♂ " " MAY - 6 1905 " C.A.S. No. 24548

258 " " ♂ " " " " C.A.S. No. 24561

259 " " ♀ " " " " C.A.S. No. 24549

260 " " ♂ " " " " C.A.S. No. 24554

261 " " ♂ " " " " C.A.S. No. 24557

262 " " ♂ " " " " C.A.S. No. 24550

263 " " ♂ " " " " C.A.S. No. 24547

MAY - 6 1905;

244. Tringa canutus ♂ Alameda, Cal., C.A.S.No. 24531

265 Symphemia semipalmata ♂ " " " " " C.A.S.No. 24533

" Ibina ♀ " " " " " C.A.S.No. 24530

24531

MAY 13 1905

I. Beck and Hunt, Monday, Wednesday, & to-day:- He obtained the following species:

Aythya marila

" affinis. One Monday.

Phalaropus lobatus. Five females in marsh on Wednesday

Marsh [illegible]

Tringa canutus. Common. 24 to-day. He found them on the ~~deep~~ San Leandro slough and out in bays.

Ibis [illegible]. Afew.

Symphemia semipalmata.

Actodroma fedoa.

Limatarola aquatarola. None to-day.

MAY 20 1905

During the past week Larus californicus has been quite common on the bay; they do not follow the ferry steamers, however. A few Larus occidentalis may be seen occasionally, while Larus philadelphia is fairly common at times. Two or three scoters may be seen along the mole, while yesterday I saw two Aythya marila near Goat Island.

MAY 27 1905

San Lorenzo Bay, Alameda, Cal.
Conditions: Clear, warm; west wind in the afternoon. -.02 tide at 10:00 a.m.
The following species were observed:-
Gulls. One or two large birds, probably Larus californicus.
Larus philadelphia. One.
Sterna forsteri. Fairly common.
Cidemia deglandi. Scarcely as common as the two above.
Ardea herodias. One or two.
Nycticorax nycticorax. Common.
Tringa canutus. About fifteen. I shot one in winter plumage.
Calidris alpina. About half a dozen.
Crocethia [illegible] Not common.
Symphemia semipalmata. One or two.
Limosa fedoa. Common.
Numenius longirostris. One or two.
" hudsonicus. Three or four.
Squatarola squatarola. Common, mostly all white breasted.
Aegialitis semipalmata. One or two.

MAY 24 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions:- Warm; west wind, very strong in the afternoon; fog rolling in overhead.
Larus californicus, fairly common; Larus occidentalis, one or two; Larus Heermanni, [illegible]
Sterna [illegible]

MAY 29 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions: Fog

Larus californicus is not very common, and follows the boat very little. A few western gulls (L. occidentalis), are to be seen. I saw one young Larus trifasciatus flying westward. On last Thursday, the twenty-fifth, I saw six Stercorarius pomarinus in pursuit of a gull.

268; Tringa canutus ♂; Alameda, Cal., MAY 23 1905; U. S. No. 24634

269; " " ♀; " " MAY 23 1905; U. S. No. 24635

241; Heteractitis incanus ♂; Alameda, Cal., APR 27 1905 U.S.No. 24537.

MAY 30 1905

Alameda, Cal. (San Leandro Bay.)

Two flocks of Sterna elegans and one of Sterna forsteri

JUN 7 1905

Alameda, Cal. to and from San Francisco, Cal.
Conditions: Moderate temperature; overcast.

A few gulls may be seen on the sand along the mole at low tide. Yesterday in crossing the bay I saw two gulls only, one a Larus heermanni. This evening I saw three or four Larus occidentalis. I have only seen one or two Larus californicus during the last week. No gulls follow the boats now. I see one or more Megaceryle alcyon occasionally on the sand at Fifth St. each morning.

JUN 17 1905

Alameda, Cal. to and from San Francisco, Cal.

Conditions:- Clear; west wind; moderate temperature; usually becoming overcast in the evening.

Rode outside on the steamer yesterday and to-day. Larus occidentalis and Larus heermanni are now quite frequently. Mostly young birds of the former and old birds of the latter species seen. I saw one young Larus heermanni this morning. None of the birds follow the ferry-boats. A few birds are seen at low tide on the flats along the route.

This evening at home I saw several Hyetiornis cyctiornis flying over. Several mornings ago I observed an Eupbagus cyanocephalus on the beach at low tide near the seawall.

JUN 23 1905

Alameda, Cal. to and from San Francisco, Cal.

Conditions:- Moderate temperature; west wind.

Larus occidentalis and Larus heermanni are fairly common, particularly on the San Francisco side. I have seen occasional Sterna heroidias

A male Fregata aquila was shot at Black Point, Marin Co., Cal. on Petaluma Creek on JUN 20 1905 by C. J. Walsh.

No. 1. Set Mark 1/4

Name Melospiza cinerea

Locality Alameda, Cal.

Date May 1, 1905. No. Eggs in Set 4.

Identity bird shot. Incubation fresh.

Nest of dry grass near bough 10 in above ground in weed.

Collected by R.H. Beck.

No. 2. Set Mark 1/9

Name Rallus obsoletus

Locality Alameda Co., Cal.

Date Apr. 27, 1905. No. Eggs in Set 9.

Identity parent flushed.

Incubation fresh.

Nest usual; near R.R. track across San Leandro Bay from Alameda.

Collected by R.H. Beck.

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Ornithological Notes

1907

Edward Winslow Gifford

Jan. 1, 1907.
San Leandro Bay, Alameda Co., Cal.
Conditions:- about noon; moderate temperature; SE wind; clear.

Wedrowed across the bay up San Leandro slough and down Damon's home again. Birds were very scarce. High tide.

Three or four gulls were noted at distance, over by the canal; they were circling about.

Ducks were very scarce, a few singles and couples being seen. Clangula clangula, Aythya vallisneria, Aythya marila?, and Erismatura jamaicensis.

Ardea herodias. Sixteen standing quite close together on the marsh.

Sandpipers. A small flock flying about over marsh.

Hawk. A small hawk flew by us when in a slough.

Melospiza cinerea. A few. Some feeding on stems of marsh grass.

At home in the morning I killed a Hylocichla guttata which was feeding on the ground and later flew in to the pear tree where it made rather short whistling notes at short intervals.

Jan. 2, 1907.
Alameda to San Francisco, Cal.
Conditions:- 7:30 to 8:30 A.M. Moderate temperature; overcast; SE wind.

A large flock of three or four hundred ducks was observed on the water off 5th St.

Two flocks of several hundred each were observed off the mole. Some Aythya vallisneria were noted in great

close to the mole. A small flock of sandpipers on mud near mole.

On the bay Larus glaucescens was very common. Not many Larus californicus were observed. Following the steamer. Several scoters were observed flying about.

San Francisco to Oakland mole, Cal.

Conditions:- 3:20 to 3:35 P.M.; SE wind; overcast; cool.

On the roofs of the docks in San Francisco were a great many gulls, mostly immature Larus glaucescens with most every kind of markings. I noted also several Larus argentatus and Larus californicus.

On the trip across Larus glaucescens were flying about the steamer continually; an occasional Larus californicus was noted.

Jan. 3, 1907.

Alameda to San Francisco, Cal.

Conditions:- 7:30 to 8:30 A.M.; SE wind; overcast; moderate temperature.

Only three or four birds on the water off the seawall. A large flock of 300 or 400 ducks was noted on the water off the old oil works. Two very large flocks along the mole.

At the mole there were 40 or 50 gulls on the water.

Larus glaucescens followed the boat across in good numbers; very few Larus californicus, however.

Three or four scoters noted flying on the bay.

Jan. 4, 1907.

Alameda to San Francisco, Cal.

Conditions:- 7:30 to 8:30 A.M. SE wind; overcast; moderate temperature.

Several birds on the water off the seawall. Several sandpipers.

Hundreds of ducks along the mole. Several gulls.

Larus glaucescens followed the boat across abundantly; Larus californicus was not numerous. Young and old of both species. Sky very close about the stern. One or two gulls about the size of Larus canus were seen. A few scoters and one common-noted [illegible]

Jan. 5, 1907.
San Francisco to Alameda, Cal.
Conditions:- 5:10 to 5:30 a.m. Clear; calm; cool.

A few Larus glaucescens and three or four Larus californicus were following the steamer this evening for a short distance. I saw a scoter flying southward, quite high in the [illegible]

Jan. 6, 1907.
Alameda, Cal.
Conditions:- At home; cold; SE wind.

Noted a Dendroica auduboni in a pear tree next to window.

Jan. 7, 1907.
Alameda to San Francisco, Cal.
Conditions:- Cold; SE wind; raining; 7:30 to 7:50 a.m.
Snow on surrounding mountains.

Noted a few ducks off Webster Street Station.

On the bay I saw a few ducks, apparently mostly scoters, flying both north and south. Larus glaucescens and Larus californicus followed the steamer across, the latter species being in predominance.

In the evening both species were noted at the ferry depot in San Francisco.

Jan. 8, 1907.
Alameda, Cal.
Conditions:- 7:30 A. M. Cold, raining, S. E wind.

Off the the south shore near Webster St. Station I saw two or three hundred ducks on the water, they were quite close in. I saw a flock of fifteen or twenty Aythya valisineria close to the mole, also a few ducks further out.

I rowed inside the steamer owing to the extreme cold, hence I saw no birds on the way to San Francisco.

Jan. 9, 1907.
Alameda, Cal,
Conditions:- SE wind; moderate temperature; overcast.

I saw an Ardea herodias on marsh near borax works. The tide was very high.

Along the mole I saw only a few ducks and one Larus glaucescens flying.

Jan. 10, 1907.
Alameda to San Francisco, Cal.
Conditions:- SE wind; moderate temperature; overcast.

I rode inside the steamer, but noted three or four Larus glaucescens fly by the window.

Jan. 11, 1907.
Alameda to San Francisco, Cal.
Conditions:- 7:00 to 8:00 A. M., moderate temperature; overcast.

Along the south shore of Alameda and along the mole ducks were not common, only a few stragglers and one or two small flocks being seen.

On the bay a few ducks were seen flying in both northerly and southerly directions.

No gulls followed the steamer until close to Goat Island, then Larus glaucescens came about in small numbers; all young save one which had blue mantle, but a spotted neck. Only two or three Larus californicus were seen, and they near the city.

There were a good many immature Larus glaucescens sitting about on the piles at the ferry slip in San Francisco.

Jan. 12, 1907.
Alameda, Cal.
Conditions:- Raining; cool; west wind; about 7:10 a. m.

A few ducks were observed along the seawall and the mole.

Jan. 13, 1907.
Alameda, Cal.
Conditions:- Raining; cool; S E wind.

Noted a (Nyroca) Nyroca nyroca (same as no. 3116) feeding on the ground in back yard this afternoon. It hopped about only picking up bits occasionally.
3196 Nyroca nyroca ♀ Alameda, Cal; Jan. 13, 1907, A. C. H.

Jan. 14, 1907.
San Francisco, Cal.
Conditions:- Cool; raining; S. E. wind.

I noted quite a number of immature Larus glaucescens standing on the piles this morning as the steamer entered the slip.

Jan. 17, 1907.
Alameda to San Francisco, Cal.

A few ducks, (species ? not identified) along the mole this morning, also two or three grebes. Yesterday there was a flock of 300 or 400 on the water.

Off the seawall this morning there were a great many small gulls (Larus philadelphia (?)) fishing; they were flying very close to the water and often dropping down to it. I saw two on the water off the light house.

Larus glaucescens was observed following the steamers, with an occasional Larus californicus; the former species were mostly all immature birds.

I have noted a flock of 25 or so sandpipers on the mud left bare by the tide at the Encinal Docks, the last three mornings.

Jan. 19, 1907.
Alameda to San Francisco, Cal.

Conditions:- Calm; moderate temperature; 7:00 to 8:00 a.m.

Very few ducks along the seawall and mole.

Larus glaucescens and an occasional Larus californicus were the only gulls seen. The former species, in all stages, followed the steamers and were sitting on the rocks on the San Francisco side.

Only three or four ducks were seen flying on the bay. [illegible] they always fly high.

A few days ago when at Gough Street I saw three or four gulls flying over the city from the ocean to the bay. It was in the morning.

Jan. 20, 1907.
Alameda, Cal. (Off South shore)
Conditions:- Calm; moderate temperature; clear.

Quite a number of ducks, mostly scoters— several hundred. I shot an immature Oidemia perspicillata. Two or three Charitonetta albeola.

Several gulls, all flying save one on a sand spit. One gull which passed was a Larus californicus.

I saw a humming bird on clothes line in rear of house.

Jan. 24, 1907.
Alameda to San Francisco, Cal.
Conditions:- Overcast; moderate temperature; light wind.

On the way between the mole and the ferry depot this morning I saw only Larus glaucescens, mostly immature.

I saw only a few ducks along the mole.

Jan. 29, 1907.
Alameda to San Francisco, Cal.
Conditions:- Foggy in forenoon; moderate temperature.

A few Larus glaucescens and an occasional Larus californicus were following the steamer.

In the evening we startled a flock of about 50 ducks from the water off Goat Island.

In the evening there seems to be no gulls around the docks or on the bay, while in the morning they are quite common.

Jan. 31, 1907.
Alameda mole, Alameda, Cal. to San Francisco, Cal.
Conditions:- Moderate temperature; overcast; SE wind;
7:30 A. M.

I noted an Ardea herodias standing in the shallow water near the roundhouse. Quite a number of ~~Anas~~ Clangula hyperboreaspicillata were seen along the mole, also a few ducks which I think were Aythya americana. A few gulls were noted flying along the mole.

Immediately - Larus glaucescens were the only gulls on the piles at the ferry slip on the San Francisco side.

Feb. 6, 1907.
Alameda to San Francisco, Cal.
Conditions:- Foggy; 7:00 to 8:00 a. m.

A few Larus glaucescens followed the steamer across. A few ducks are noted along the mole each morning. No gulls about in evening.

Feb. 11, 1907.
San Francisco to Alameda, Cal.
Conditions:- Moderate temperature; 5:45 to 6:00 P. M. hazy.

The only gull seen was an adult Larus occidentalis ~~much~~ not flying. All of the others seem to have gone to roost by this time of day, although it is quite light.

I noted a few Aythya valisineria along the mole this morning. A few ducks on the bay this evening.

February 12, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; quite clear, a little fog near mole in morning.

I noted a flock of gulls near the mole this morning.

In the evening I came home at 4:45, and the gulls had not yet gone to roost. Larus glaucescens mostly young birds, were observed flying about the steamers. One or two immature Larus californicus were noted.

Along the mole in the evening a few ducks were noted, some standing on sand in shallow water. Those close by appeared to be [illegible]

Feb. 22, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- SE wind; moderate temperature; raining. 2:00 P.M. a.

Near the roundhouse on the sand at low tide were three or four hundred gulls. Ducks were fairly common along the mole, several blue-bills were observed; also scoters. When entering the slip at 5:30, there was an adult Oidemia perspicillata in it which had to move quite lively to escape.

There were a few immature Larus glaucescens on the piles at Alameda, mole and a good many in similar positions on the San Francisco side. Only an occasional adult was observed on the bay. Several adult Larus occidentalis were observed flying about from the [illegible]

birds; one observed to alight on one of the dock sheds.

In the evening a good many gulls were observed c
cling about high up over the bay. About three Larus californ

A string of over a hundred cormorants was obs
flying south in an irregular wavy line. A few
ducks were seen on the bay. Larus glaucescens minus leg sca

February 27, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Cold in morning; moderate temperature re
of day; northerly wind; clear.

In the morning a large flock of gulls was note
on the sand quite a distance from the mole. A few
ducks were also seen along the mole

Quite a number of immature Larus glaucescens
the piles of the mole.

In the evening Larus glaucescens was the
most abundant bird about the steamer. One
or two Larus californicus were seen also three
or four adult Larus occidentalis at a distance.
A flock of small gulls was noted on the bay
yesterday.

Mar. 10, 1907.

Alameda, Cal.

Conditions:- SE wind; rain; moderate temperature.

Several Ampelis cedrorum were observed feed-
ing in the pepper trees in front of the house. Several
were observed about a week ago.

Two or three Nycticorax nycticorax were ob-
served passing over towards the bay.

Mar. 11, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Wind variable; raining; cold.

In the morning quite a few ducks were observed along the mole and a few along the sea-wall near Fifth St.

Larus glaucescens is still the most abundant gull; the most of them being young birds. I note them riding on the hurricane decks of the ferry steamers. A good many on the piles at both termini.

In the evening when the tide was low there were a great many gulls on the sand near the roundhouse. There were two or three hundred ducks feeding in the shallow water; Aythya valisneria, scaup ducks, and Oidemia perspicillata. The trains often pass close to the ducks without causing them any particular alarm. They are much tamer now that the hunting season is over.

March 12, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Westerly wind; clear; moderate temperature.

I saw several ducks on the water off the seawall this morning. Near the roundhouse I noted two ducks standing on the beach; also four or five gulls.

Quite a few gulls were on the water in the light. Ducks were also common: Aythya valisneria, scaup

ducks, Clangula clangula, and Oidemia perspicillata.

There were several Larus glaucescens on the piles both on the Alameda and San Francisco side. All were immature birds.

I rode inside the steamer both ways; gulls follow abundantly, chiefly Larus glaucescens.

It was low tide about 5:30 P.M. to-day; there were four or five hundred gulls on the sand beside the mole, they were spread out over considerable area. In the shallow water there were a good many ducks, mostly scaup ducks and canvas-backs, feeding. The scoters seemed to keep in the deeper water.

In the late afternoon I saw quite a few flying towards the SE from the mole; they were apparently going to rest; they were quite high in the air.

March 13, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- clear; westerly wind; cold in morning.

In the morning there were a few gulls on the beach near the roundhouse. Quite a number of scaup ducks and Aythya valisneria feeding in the shallow water. They did not even lift their heads when the train passes. In the deeper water are the Oidemia perspicillata; these often close to the track often dive as the train passes.

In the evening Larus glaucescens and

Larus californicus followed the steamers abundantly. The former are becoming scarce, one adult was seen. The latter were all adults save one or two.

The gulls usually fly around the boats, though sometimes one or two will hang in one position quite a while. Their cry is very different from that of the Galapagos gull, being a sort of clicking squeal given in a high key.

In the evening at High Street I saw three or four Nycticorax nycticorax flying over with their old familiar squawk. They were flying towards the SE.

Mar. 16, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Raing; wind very light; cool.

Both in the morning and the evening there were a great many gulls on the sand left bare by the tide near the roundhouse — Larus glaucescens and Larus californicus. They were both common on the bay, following the ferry boats, and on the flats

at both termini of the ferry. The former were all immature birds, the latter were about two thirds adults. These birds do not make much of any noise, although this evening I heard several call together as they all dashed down to pick up some morsel.

There are still quite a few ducks along the mole, mostly Oidemia perspicillata. I saw one Oidemia deglandi to-day. Aythya valisneria and scaup ducks are present in considerable numbers. These ducks often remain quite close to the track while the train passes, often if feeding, not even lifting their heads out of the water.

Last evening a Phalacrocorax passed by the ferry slip going down the bay.

Mar. 17, 1906.

San Leandro Bay, Alameda Co., Cal.

Conditions:- Overcast; strong SE wind.; cool; low tide.

I noted a few sandpipers and some larger shore birds the size of snipe at a distance on the mud. Quite a few ducks offshore. Several Larus calif-

ornicus ~~outside~~ about, flying with some difficulty owing to the strong wind. I saw one alight for a minute on the mud to pick up something. Both adult and immature birds were seen.

The ducks are quite tame, several Aythya valisneria and Aythya marila allowing us to approach well within gunshot range in the boat. When they rose, they flew quite close by and would have made a fine shot had we had a gun.

May 18, 1906.

Alameda to and from San Francisco, Cal.

Conditions:- Strong SE wind; continual rain; warm.

Larus glaucescens and Larus californicus about the steamers as usual.

Along the mole ducks were quite common. Aythya valisneria, scaup ducks and Oidemia perspicillata were riding the waves with ease. There were no gulls on the sand near the roundhouse this evening.

May 19, 1906.

San Francisco to Alameda, Cal.

Conditions:- Strong wind; rough on bay; rainy.

In the evening practically all the gulls following the steamer across were adult Larus californicus. I saw two or three immature Larus glaucescens and one immature Larus californicus.

There were practically no ducks noted along the mole, the majority having retired to the sloughs for shelter from the strong wind and heavy sea.

Mar. 20, 1906.

Alameda to and from San Francisco, Cal.

Conditions:- Wind variable; rainy; cold.

Quite a number of Scaup Ducks and Oidemia perspicillata along the mole both in the morning and evening. They are quite tame.

Larus glaucescens was quite common on the piles at Alameda mole, they were all immature birds. Adult Larus californicus were the commonest birds about the San Francisco side and on the way over

There were quite a number of Larus californicus on the water, particularly on the Alameda side.

March 21, 1907.

Alameda to and from San Francisco, Cal.

Conditions:— Wind variable; raining; cool.

Scaup ducks and Oidemia perspicillata, both in fine feather were ~~common~~ fairly common along the mole. One or two Clangula clangula and Oidemia deglandi were seen; the latter were in brownish plumage, apparently old and worn.

Larus glaucescens, immature birds, were very common at both ends of the ferry on the piles and sheds. Larus californicus, practically all adults, were common.

March 22, 1907.

Alameda to and from San Francisco, Cal.

Conditions:— Cool; southerly wind in evening, very strong; raining.

In the evening it was blowing half a gale, and a great many gulls were observed on the water between San Francisco and Goat Island.

March 23, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Wind variable; rainy; moderate temperature.

Along the mole in the morning there were a few Oidemia perspicillata and Scaup ducks. There were a few immature Larus glaucescens on the piles at Alameda mole. This species and Larus californicus followed the steamer across.

On the evening there were a number of both species about the slip on the San Francisco side. On the roof of a pier south of the ferry building were a great many of both species in about equal numbers.

Along the mole there were quite a few Oidemia perspicillata, several Scaup ducks, one or two Oidemia deglandi, and one loon. Some of the Scaup ducks seemed to be feeding from the surface of the water. I noted a loon yesterday morning.

March 24, 1907
San Leandro Bay, Alameda Co., Cal.
Conditions:- Wind variable and strong; rainy; mod-

erate temperature.

At the foot of the street this morning there were twenty or thirty Larus californicus, adult and immature, hovering about a boat house and picking up something from the water by dropping down to it whenever anything was seen.

Sturnella magna was noted in the lot at the end of the street. Last Sunday I heard them singing and I also saw several Anthus pensilvanicus.

In the back yard to-day were a good many Zonotrichia leucophrys mostly adults; they were eating the leaves of young radishes among other things. There were the usual number of Passer domesticus about. Quite a number of Euphagus were seen at Lake Merritt.

March 25, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Wind variable; rainy; cold.

Larus californicus followed the boat across in the evening in great numbers, practically all adults. These birds seldom make any deliberate

when swooping for some piece of floating food.
A few immature Larus glaucescens were observed at the San Francisco end of the ferry.

March 28, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; light wind; clear.

Larus glaucescens are common as usual.

I saw two Aechmophorus occidentalis (?) this evening along the mole.

I heard curlew at the foot of the street this morning.

March 31, 1907.

Alameda, Cal.

Conditions:- Warm; light wind; clear.

I noted a good many Larus californicus, nearly all adults, in Oakland creek.

Last evening coming over on the steamer, both this species and Larus glaucescens (immature) were common.

Larus philadelphia with black head reported to-day

Apr. 3 1907.

Alameda to and from San Francisco, Cal.
Conditions:- clear; NW wind; moderate temperature.

Along the mole scaup ducks and scoters (apparently all Oidemia perspicillata) were ~~quite~~ still in evidence. Near the roundhouse at low tide this morning were a great many gulls, mostly adult Larus californicus, and also immature Larus glaucescens.

At the Alameda mole both in the morning and evening there were several immature Larus glaucescens on the piles; they let the boat pass very close without flying. In the morning I noted two asleep with heads thrown over shoulder onto the back.

In the evening Larus californicus intermingled with a few immature Larus glaucescens followed the steamer abundantly. Quite often one of the former species is heard to give a few high notes and once or twice I have heard one give a high cackling call, much shriller than that of Larus fuliginosus

Apr. 5, 1907.

Alameda to and from San Francisco, Cal.
Conditions :- Southerly wind; cool; drizzling at times.

From the roundhouse this morning I noted about one hundred ducks on the water in a large straggling flock. There were a few gulls scattered along the exposed sand. Yesterday morning I noted two sandpipers. One Ardea herodias was noted in a slough close to First St. at [illegible] the time the train passed.

In coming to Pratt in here on the wing, ducks [illegible] their wings, [illegible] the head and neck somewhat and spread their feet, sticking down and outward after the manner of a booby.

Larus glaucescens and Larus californicus were in about the same proportion as usual.

Yesterday I noted seperate Larus glaucescens standing on the piles at the Alameda mole in the heavy wind. They were all facing to windward with heads held close to shoulders and tails slightly tilted upwards.

I noted one small grebe along the mole this morning & several Oidemia deglandi & Scaup ducks this afternoon. Several ducks [illegible] with [illegible] on back.

Apr. 6, 1907.
Alameda to and from San Francisco, Cal.
Conditions:— Wind variable; moderate temperature; overcast.

This evening at the ferry depot there were a good many Larus californicus, mostly, all swimming about in front of the steamers. Many were heard calling this evening, one or two giving the long cackling call, and some a rather shrill call consisting of four or five long notes.

There were a few immature Larus glaucescens in the piles at both places and also on the way over.

This morning near Alameda Point, I saw a dark bird, apparently a jaeger, pursuing a gull, the latter making short dashes hither and thither in the effort to escape.

Apr. 7, 1907.
Alameda, ~~to and from~~ Cal.
Conditions:— Warm; clear; light winds.

Noted several Zonotrichia leucophrys in the back yards feeding & singing. Passer domesticus building nests in various places.

Pack of loons, 9 A.M. on the Lord Granted, several
miles at a distance, noted resting like Larus
philadelphia, fluttering down now and then
to the water.

April 8, 1907.

Alameda to and from San Francisco, Cal.

Conditions:— Thick fog in morning; warm; clear, wind later.

Flocks of gulls were exceedingly thick about the
ferry depot, particularly Larus californicus, many adults
if not nearly all in winter plumage, and also a good many
immature Larus glaucescens.

On the way to Alameda Pier, three ducks were
noted going north quite high in the air and also
[illegible] further calling.

On the mole I saw several Scaup ducks, in pairs
or flocks swimming along together close to the mole, and
four or five Oidemia perspicillata.

April 9, 1907.

Alameda to and from San Francisco, Cal.

Conditions:— Warm; clear; light winds.

Along the mole and seawall there were more

ducks than I have seen for a long time. In the evening they were not common, however, several flocks flying and diving close to the shore.

There were a few gulls on the water at high tide this morning near the round house, they were about twenty in number and in a compact flock. They appeared to be adult Larus californicus.

On the bay immature Larus glaucescens and adult Larus californicus were following the steamers as usual.

In the evening several gulls were seen flying westward parallel to the mole, the most of them keeping close to the water and flying one behind another in small bunches of three or four each.

Last evening there was a large flock (probably 100) circling about over the end of the north training wall; many were very high in the air.

Passer domesticus are building a nest on a column on the front porch of the house opposite the Grand Street office.

April 10, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Warm; NW wind; clear.

Along the inside of the spring flooded only a few feet and in the evening only three or four, of pure white coters. I saw several flying to roost with sticks in the air the first part of yesterday this evening.

On the sand left bare by the receding tide, I saw this evening a flock of seventy-five or one hundred gulls, and two Turnstones apparently adding about picking up crumbs. To be mostly Larus californicus.

All of the gulls observed on the piles at both inside were immature as was glaucescens, save one immature Larus californicus. These former birds are very bold; every once in a while one will jump from one pile to another making the wings and in fact sort of half-jump, half-fly across the space of a foot, and a half or two feet.

When following the steamer and picking up scraps, both species usually alight from the water

but for a moment, keeping the wings uplifted and outspread.

April 12, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Warm; clear; NW wind.

Yesterday morning I noted on the beach near the roundhouse where the tide out about one hundred and fifty or two hundred small sandpipers. In the evening a flock of about fifty ducks were seen going NW high in the air in a slightly V formation. They were observed when we were off Goat Island. Three or four were seen going in a similar direction, but they were flying close to the water.

Two or three ducks were noted this evening high in the air, going north. Along the mole a few Scaup ducks and Scoters still linger.

Near the roundhouse this evening were 3 or 4 hundred gulls on the bare sand and mud also a few sandpipers. The former ducks occur in great numbers on the reefs off the

[illegible] San Francisco as well — both species observed. On the piles at the ferry slips however, immature Larus glaucescens are about the only birds.

On the bay the gulls were as abundant and in about the same proportions [illegible]

Apr. 13, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast; ~~wind~~ calm; temperature; westerly wind.

Along the seawall west of Fifth St. Station and along the mole were a very few Scoters and Scaup ducks this morning. On the sand flats in the bight near the roundhouse were a hundred or a hundred and fifty snipe (probably Macrorhamphus griseus ~~or~~ or Macrorhamphus scolopaceus or both). There were also one or two hundred gulls on the sand, which looked to be mostly Larus californicus. On the bay and at the termini of the ferry, Larus glaucescens and Larus californicus were in about the same numbers as usual.

On the evening there were not quite as many about the San Francisco slip as usual, nor were there any sitting on the roof of the pier just south of us where there are of

many. One bold young Larus glaucescens was sitting on the lower deck of our steamer before we left the slips.

On the way over both of the above species acted in their usual manner. On the San Francisco side of the bay I noted several Larus philadelphia working about to the southward of the ferry route. Their flight is more irregular than that of Larus californicus and resembles somewhat that of Anous stolidus (which, however, is not as irregular as that of Sterna).

Two large flocks of birds of about fifty each were seen flying southward in long lines, which kept changing in shape. They were very high in the air and I think were probably curlew. Another flock of about twenty-five were observed flying close to the water.

Along the mole half a dozen or so scoters were seen and one bird just outside of the mole which looked like an Aechmophorus occidentalis. There was a small flock of sandpipers and a good-sized flock of gulls near the [illegible]

Saw a few Euphagus cyanocephalus flying over the eucalypti near 7th St. Station. When going down Briggs Avenue about 6:30 P.M. three or four Nycticorax nycticorax were seen, flying over towards the southeast high in the air.

April 14, 1907.

San Leandro Bay, Alameda Co., Cal.

Conditions:- Moderate temperature; southerly wind; overcast, with occasional drizzles

The Passer domesticus nest which is being built in the rose bush on the back of the house is of grass, mostly dried, and is placed about 10 feet from the ground. It is about 3 inches in depth inside, and has no lining.

In San Leandro Bay and Slough the following birds were observed:- Hundreds of shore birds were seen feeding, all remarkably tame.

Larus glaucescens. Several immature ones were observed flying about and sitting on the mud.

Larus californicus. One or two adults flying.

Three or four flocks of twenty or thirty

large gulls flew over high in the air. One flock of thirty circled about at an immense height for several minutes and then flew off to the southeast descending considerably.

Larus Philadelphia were very common, two-thirds of them being wholly hooded. They were ~~[illegible]~~ not wary, flying quite close to the boat. When sitting on the mud they could often be heard making short croaking calls. They were also heard giving rather shrill short calls when several of them were after one morsel. About twenty collected about some scraps I threw overboard; hovering in the air for a moment and then dropping to pick up something, not remaining on the water however. I saw two making attempts to carry off a piece too large for them. They sat on the water considerably, one flock of about forty being passed just outside the slough. Their evolutions on the wing are surprising and are somewhat like a shearwater's.

Ducks. Several large flocks were seen flying about and on the water, while a good many couples were seen; males often being in company. They were practically all Scaup ducks; although half a dozen Aythya valisneria were observed flying. They are now-a-wheres near as wary as during the hunting season.

Ardea herodias. Two or three.

Numenius hudsonicus. Common. When flying singly over the water they often dart about very erratically. Considerable calling.

Symphemia semipalmata. Fairly common.

Macrorhamphus griseus. Abundant. All in red plumage save about half a dozen.

No Tringa canutus seen.

Sandpipers. Very common, ~~feeding~~ probably Actodromas minutilla and Ereunetes occidentalis. On the water of the bay several birds which looked like this latter species alighted on the water near a flock of Larus philadelphia for a minute.

Squatarola squatarola. Several; very black-bellied.

Swallows. Three or four over water.

April 15, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Overcast in morning, clear in afternoon; westerly wind; moderate temperature.

The tide was very low this morning, and in the bight near the roundhouse there a good many gulls at the water's edge. Quite a few ducks, also, were observed feeding, their backs only showing out of water. Last evening at low tide I noted two Larus philadelphia flying over some pools left by the tide.

This morning while stopping at Morton St. I noted four Nycticorax nycticorax alight in some tall trees at the corner of San Jose Ave. and Morton St.

April 16, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Warm; clear; NW wind.

A good many large gulls in the shallow water and on the exposed sandspits in the bight at the ~~gate~~ roundhouse. Three or four Larus philadelphia were noted, fluttering watchfully over some pools left by the re-

treating tide.

A good many immature Larus glaucescens are still to be seen sitting about on the piles both morning and evening at both termini of the ferry. I noted one moulting bird standing on a pile for several minutes, and running the feathers of his breast and abdomen through his bill, apparently in an effort to pull them out, occasionally getting one.

Larus californicus is the most abundant bird, a few immature ones being seen, however. I noted one standing on a pile, the mantle had appeared on the major portion of its back, but the wings, underparts, neck and head, etc. were still in the immature spotted plumage.

Several hooded Larus philadelphia were ~~flocking~~ hovering about in front of the ferryslip on the peninsular end of the route. ~~Occ~~ Now and then one would drop to the surface, resting a moment with upraised wings, to pick up something. Their short arcs of flight and quick wing beats reminded me very much of the actions of the fulmars about the vessel at sea last November.

When about off Goat Island this evening I noted six scoters flying NW close to the water. A few minutes later several Scaup ducks were noted going in the same direction but quite high in the air. ~~Quite a few~~ several ducks were noted along the mole in the evening.

April 17, 18, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Warm; light wind; clear.

Last evening I noted three flocks of ducks going north not very high in the air; two were of about twenty-five or thirty individuals, the other of about fifteen. This morning I noted a flock of about a hundred bunched together on the water in the light near the roundhouse. There were also occasional scoters scattered all along the mole. This evening none were noted.

A good many shore birds (snipe and sand pipers) were noted on the exposed sand near the roundhouse each morning. On the bay as well as at this latter place gulls were

abundant as usual. The species are in about the same proportion as they have been the last week. Several Larus philadelphia were seen flutter-ing over some drift this evening on the San Francisco side of the bay. One Larus occiden-talis in nearly adult plumage was observed this evening. Larus glaucescens is as tame as ever, numbers following the boats with great numbers of the last species. I noted about ten Larus glaucescens riding on the hurri-cane deck of an incoming steamer this evening. One nearly adult one was observed yester-day. An almost adult Larus californicus was seen this evening with outer rectrices black and the inner ones pure white! Usually the black on the tail shows in the form of a band at the end. This is the first instance I have seen of this phase of the moult.

Apr. 19, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Very warm; ~~nw~~ westerly wind; clear.

In the morning in the bight near the roundhouse

there were quite a few shore birds on the sand, and in the distance a few gulls. The tide was quite high and not much mud was exposed. A few curlew -(?) were seen alighting on the marsh off a distance from the train.

This evening both Larus glaucescens and Larus californicus followed the steamer across in great numbers, circling about over the stern as usual.

On the Oakland side of Oakland Creek, east of Lake Merritt, I noted three Scaup ducks on the water this evening.

There were perhaps fifty or seventy-five ducks along the mole this morning, most of them quite a ways out.

Apr. 20, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- NW wind; warm; clear.

In the morning 12 fin ducks were seen along the mole.

In the evening two flocks of ducks were seen going N.W. over Goat Island. They were quite high in air and strung out, some straggling behind and at

a much lower level than the greater numbers of the vanguard.

Gulls were very abundant in the evening. Larus glaucescens and Larus californicus flying about the vessels in considerable numbers and in the same proportions as usual. Off the San Francisco water front a short distance were a couple of hundred Larus philadelphia; most of them fluttering and wheeling about of the water in the effort to satisfy their ever-ravenous appetites. Their graceful evolutions made those of the larger gulls appear clumsy in comparison.

I got off at Fifth St. Station and walked over to Pacific Avenue this evening. Curlew were passing over the town to the southward in considerable numbers, all calling. They went in pairs and in flocks of 6 or 8 or 10.

Yesterday morning when near the outer end of the mole a large alcyon was noted flying westward parallel to the mole.

Apr. 23, 1907.

~~Encinal~~ Alameda to [illegible] San Francisco, Cal.

Conditions:— Moderate temperature; westerly wind; overcast in morning and evening.

Several ducks noted along the route this evening, and as the ferry passed back quite a few shore birds, including one that looked like curlew.

In the bay this evening young Larus glaucescens and adult Larus californicus were abundant. Several Larus philadelphia (some or two with white heads) were observed about the ferry ships on the San Francisco side. One or two flew very close to the boat.

Last evening noted five or six Ictinoryx mysticoryx flying over the house tops, quite high in the air, going towards the Southeast.

Apr. 24, 1907.
San Francisco to Antioch, Cal.

On the way to Oakland Bay Larus glaucescens and Larus californicus were very common. Quite a number of Larus philadelphia were also seen.

East of 16th St. Station, Oakland a few many Lanius ludovicianus and a great number of sandpipers were observed ~~feeding~~ in some shallow ponds and sloughs which were not affected by the tide, owing to the railroad embankment cutting them off.

At Antioch one or two ~~gull~~ large gulls were noted — high tide. A Falco sparverius and a Cathartes aura were seen flying over the tules. Several Hirundo erythrogaster were observed flying about the river banks and two were sitting on the guy of the sch. "Academy." A Lanius ludovicianus was observed at the S. P. Co. Station.

Between Antioch and Cornwall a large ~~blu~~ dark hawk was observed soaring about over the low lands, both going and coming. Three Fulica americana were noted swimming about a pond beside the track and apparently feeding, as they kept dipping their bills into the water as they swam

April 25, 1907.

Alameda to and from San Francisco, Cal.
Conditions:— Cool; westerly wind; overcast.

A few ducks were noted together on the water in the bight near the roundhouse this morning. They were at too great a distance to determine to what species they belonged.

At the Alameda Mole this morning there were ten or a dozen gulls (Larus glaucescens) on the piles. All were immature birds and appeared quite lazy and listless, not budging as the steamer glided close by them.

In the evening Larus glaucescens (immature), Larus californicus (mostly adult), and Larus philadelphia (nearly all black-headed) were abundant. The two former species were following the steamers abundantly in the usually manner. Many were also seen mounting up into the air.

There were a considerable number of Larus philadelphia feeding close to the San Francisco ferry slip. One or two immature birds with banded tails, and one or two white-headed

adults were seen among them. Several were heard to utter short croaks while poising over the water. I watched several pick up bits of floating food, which was done with just the lower parts of their toes dipping in the water, and not any of their plumage.

A flock of twenty or thirty ducks were observed flying NW, passing between Long Wharf and Goat Island. They were quite low over the water.

When the train was just pulling out of the mole this evening a large flock (300 or 400) of gulls arose from the sand at the end of the seawall north of Oakland Creek and began circling about, many uttering their cry.

Apr. 26, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; westerly wind; rather overcast.

On the narrow strip of beach left exposed by the retreating tide in the bight near the round-house, a few sandpipers were observed this morn-

ing. Along the mole were a few ducks, some being close enough to be distinguished as Scaup Ducks.

In the evening Larus californicus and Larus glaucescens followed the steamer across. Many interesting immature plumages of the former species were observed. Several Larus philadelphia were observed on the San Francisco side, most of them being hooded. One flew quite close to the vessel among the other gulls when they were swooping down for something. I observed one of the large gulls carrying a crust of bread in its bill, and being pursued by several others. The crust was quite large and curled upover the bird's head.

I noted a flock of twenty ducks on the San Francisco side flying NW quite high in the air in the afternoon.

In the evening four or five gulls were noted flying westward along the mole. In the light near the lighthouse con

siderable sand and mud was exposed, on which hundreds of sandpipers and snipe were feeding, the latter being together in one flock. There were a hundred or so large gulls at the water's edge, while a Larus philadelphia was seen flying over the mud.

At 7th St. Station this evening a dozen curlew passed over the train and trees bordering the cliff as they descended to the beach.

Apr. 27, 1907.

Olaveda to and from San Francisco, bal.

Conditions:- Moderate temperature; westerly wind; fairly clear.

In the marsh west of 1st St. were a good many curlew this morning. As the train passed those close to the track would rise and dash off a few rods and alight again. These birds seem to spend a great deal of time in the grass of the marshes, and not in the mud of the sloughs as do most of the other shore birds which frequent these parts.

On the mud and sand near the

roundhouse — there were a good many small Tringae and a few gulls this morning. The same species were observed this evening but in greater numbers.

On the bay this evening the following species were observed:—

Larus glaucescens. As usual. Several stood on the piles as the boat left the slips, allowing it to pass within half a dozen feet of them. All were immature. Occasionally one standing peacefully on a pile is driven from it by another coming at him and uttering a sharp sqq-uawk just as it is about to alight, apparently on the other's back.

Larus occidentalis. An adult seen flying about in front of the slips.

Larus californicus. Abundant as usual. Several immature ones seen. It is a common thing each evening to see quite a few of this species on the water at the very ends of the slips, both singly and in flocks.

Larus philadelphia. Quite common. One white-headed one seen. Singly and in small flocks. Noted several flying along somewhat like fulmars for a moment or two.

Oidemia perspicillata. Four passed off Goat Island going West.

Along the route a few ducks were seen off at a great distance from the water. Those close enough for identification looked like ruddy ducks.

April 28, 1907.
Alameda, Cal.
Conditions:- Moderate temperature; westerly wind; clear. Rowed from foot of Chestnut St. up the canal to the foot of Briggs Avenue.

Quite a number of Larus philadelphia were observed all the way along. Both white-headed and hooded. Some on the water. A white-headed one was sitting on the water trying to get away with something too large for it, when a hooded one came along and attempted to drive it away.

Three or four Larus argentatus were seen at a distance. One tern, probably Sterna forsteri, was seen near High St. Bridge. A Numenius hudsonicus was also observed standing on a dyke. Another flew by the boat.

Three or four mornings ago I noted two Aphelocoma californica on the opposite side of the street, investigating a pile of leaves near the sidewalk and making remarks in the jay language at the same time. One or two Carpodacus mexicanus were also seen.

Several Euphagus cyanocephalus and one or two swallows were observed to-day, the latter over the canal. A Sturnella magna was heard singing.

The Passer domesticus nest in the back yard is completed and contained three eggs this morning. To my surprise, instead of finding an open nest, I found one completely covered like that of a Geospiza and also having a side entrance into which led a passageway

two or three inches long and also of grass. As I climbed up to the nest the female flew out.

April 29, 1907.

Alameda to and from San Francisco, Cal.

Conditions:— Moderate temperature; NW wind; clear.

In the morning there were a good many Limnodromus griseus hendronicus on the marsh W of 1st St. There were also a good many shore birds and gulls on the extra large expanse of mud and sand exposed. Two ducks on sand.

On the bay in the evening gulls were abundant— Larus glaucescens, Larus californicus, and Larus philadelphia. The last-named pick up things much more gracefully and with a great deal less effort than the other two species. Two or three adult Larus occidentalis seen. A Stercorarius with central rectrices longer than others was seen flying close to the water. Flock of 10 ducks going north close to water. Flock a dozen curlew doing same high up. Both off Goat Island. Very large

flock of gulls off SW Goat Island this evening. Many on water, many hovering above them.

A few Scoters and Scaup Ducks along mole this evening: Curlew & sandpipers feeding on mud this afternoon. Quite a few gulls also. When going along saw a flock of about 50 birds (ducks or curlew probably) was observed high up going N.E.

April 30, 1907.

Alameda to and from San Francisco, Cal.

Conditions:— Moderate temperature; westerly wind; quite clear.

In the morning there were a good many (Numenius hudsonicus) curlew on the marsh west of 1st St. A few were also feeding on the exposed mud and sand near the roundhouse, in company with a good many snipe (in one flock) and hundreds of sandpipers. Along the mole a few Scoters and scaup ducks still linger, most of them keeping at a distance however.

Larus glaucescens (all immature) are becoming scarcer.

Larus occidentalis. One or two adults off ferry ships.

Larus californicus. Abundant. Both immature and adult; the latter abundant.

Larus philadelphia. Very common. Travelling often in flocks of a dozen or so.

May 1, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; strong westerly wind; clear.

In the morning the tide was very low. On the flats between Fifth Street and West Alameda Stations, there were a number of sandpipers and Numenius hudsonicus feeding. The former all flew off a distance as the train passed. Many of the latter did the same, although a number of them scampered off as fast as they could, throwing the body slightly forward.

On the bay Larus californicus, Larus oc-

cidentalis, and Larus glaucescens were in the same numbers as yesterday. Larus philadelphia, however, seemed to be scarcer this evening; a few were seen sitting on the water together off Goat Island. It is a common thing to see them in this position.

When we were almost on top of them, five phalaropes flew up, and travelling a short distance sandpiperlike, they alighted close to the above-mentioned Bonaparte Gulls.

A flock of twenty-five or thirty Larus philadelphia were noted hovering over the water in Oakland Creek near the roundhouse.

In the sloughs east of 2nd St. several sandpipers were observed feeding this evening.

This morning there were a good many sandpipers and a few curlew feeding on the immense expanse of mud and sand in the bight near the roundhouse. The gulls were all away out at the waters' edge, save one or two Larus philadelphia.

May 2, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; ~~w~~esterly wind; clear.

This morning along the mole were the a good many shore birds (mostly sandpipers and a few curlew (Numenius hudsonicus). There were several hundred gulls, apparently mostly Larus californicus ~~out~~ at water's edge. A great many were sitting or standing in the shallow water, and a great many more were hovering close over it, dropping down every instant or so to pick up something.

In the evening on the bay I paid little or no attention to the birds but noted, however, three or four Larus philadelphia. Along the mole several ducks were seen on the water at a distance, and two Larus philadelphia flying westward close to the water. Quite a few sandpipers were seen on both sides of 1st St. in the sloughs where a little mud still remained exposed. Three flocks of large birds (ducks?) were seen flying ~~100~~ high in air; about 30 in a flock.

May 3, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Strong N. W. wind; moderate temperature; clear.

Birds along the mole were about the same as observed yesterday. Several Scaup ducks and Scoters being observed in the evening.

Rode inside the steamer both ways.

May 4, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; N.W. wind, clear.

In the morning along the marsh were a few Numenius hudsonicus; the sandpipers and gulls were in the bight at the roundhouse as usual; several ducks were still lingering along the mole.

In the evening few gulls were seen. Practically none followed the boat. An immature Larus glaucescens and an adult Larus californicus were seen. A few Larus philadelphia seen at a distance.

Half a dozen Numenius hudsonicus flying

52a

~~Retained as a handbook~~

May 5, 1907.
Alameda, Cal.
Conditions:- Moderate temperature; westerly wind; overcast.

The Passer domesticus nest in the back yard contained five eggs. The parent always leaves the nest when it hears the ladder being placed against the side of the house. They do not seem to mind people passing below them on the boardwalk.

May 6, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Overcast; westerly wind; moderate temperature.

A number of Numenius hudsonicus flew up as the train went along the marsh. Yesterday when passing along Webster St. on an electric car, the curlew (Numenius hudsonicus would remain standing within fifty feet of the track without budging.

On the evening no Larus glaucescens whatever were seen, although a sharp

lookout was kept for them. Larus californicus and Larus philadelphia were very common, many feeding together in front of the ferry slips. An immature Larus californicus was seen with the outer rectrices black and the inner ones white. Most of the Larus californicus were immature birds. One was observed hovering close over a flock of twenty or thirty Larus philadelphia which were fluttering over a line of drift near Goat Island where the ocean water met that of the bay. Two or three adult Larus occidentalis were observed along the water front.

A flock of about twenty-five ducks crossed ahead of us when we were SE of Goat Island, and then swung along the South shore of the island. They were at a moderate height.

A few sandpipers were observed along the marsh this morning.

May 8, 1907.

Alameda to and from San Francisco, Cal.
Conditions:- Brisk N/W wind; moderate temperature; clear.

In the evening Larus californicus, mostly immature, and Larus philadelphia, many white-headed, were common on the bay. Both species were observed on the water, facing to windward. A flock of the latter were observed flying hither and thither, first high and then low. Four phalaropes or sandpipers were observed flying N/W very close to the water.

May 3, 1907.

Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; somewhat Overcast; S. W. wind. Evening trip.

Larus californicus and Larus philadelphia were not as abundant as usual. Two or three Sterna (forsteri ?) were seen close to the steamer to the S. of Goat Island.

On the small amount of beach exposed near the roundhouse were three or four hundred gulls, apparently Larus californicus. Also a few Numenius hudsonicus and sandpipers were on the mud.

A flock of thirty or four curlew were seen

flying north over the bay. They were very high in the air, but nevertheless their calls could be heard. A flock of about eight ducks were seen passing northward low over the water, passing over the low part of Goat Island.

May 10, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Strong S wind; very overcast and hence quite dark; moderate temperature; threatening. Evening trip.

A few Numenius hudsonicus and sandpipers were in the light near the roundhouse both in the morning and evening.

On the bay gulls were not very common, a few Larus californicus being seen off the water front and Goat Island. ~~Off the~~ Close to the island was quite a flock of Larus philadelphia.

Two flocks of ducks of about ten each passed ahead of us flying northward. Eight were noted on the water along the route, quite close together.

May 11, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Westerly wind; cool; somewhat overcast.

Both in the morning and the evening there was a large flock of gulls and a few curlew and sandpipers on the exposed beach near the roundhouse.

On the bay, a number of Larus californicus and Larus philadelphia were observed, many of the latter being white-headed, and most of the former being immature. Two adult Larus occidentalis, as well as the two above species were observed in the evening.

An adult male Scaup Duck was seen close to the mole this evening.

May 12, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Warm; light westerly wind; clear.

The tide was well out in the morning and there were a good many gulls at the water's edge in the vicinity of the mole. A few curlew, etc. were also seen.

In the evening a few Larus philadelphia were seen off the Ferry Bldg, and also quite a number of Larus californicus, all immature. The former species seemed to be mostly white-headed individuals.

~~May 12, 1907.~~

May 13, 1907.
Alameda, Cal.

The Passer domesticus nest in the back yard contained naked young two or three days old.

May 14, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Warm; [illegible]; clear.

Immature Larus californicus and Larus philadelphia were about the only gulls seen.

A flock of thirty or forty curlew passed over high in the air, going north and calling continually. Several ducks lower down were noted going in the same direction.

May 15, 1907.
Alameda to and from San Francisco, Cal.

conditions:- NW wind; moderate temperature; clear.

There was an abundance of gulls on the exposed sand and mud near the roundhouse both this morning and yesterday morning. One or two Curlew.

On the bay this evening a number of Larus californicus and ~~more~~ quite a number of white-headed Larus philadelphia were observed. Some the latter had banded tails and many were sitting on the water to the southward of Goat Island. Three ducks were observed going north.

This morning west of Fifth St. Station I saw a Nycticorax nycticorax standing on the edge of a pool left by the tide. It was standing hunched up in characteristic fashion.

During the past few days I have noted Passer domesticus flying about the ruins of the Parrott and Academy of Sciences buildings with straws in their bills. I noted a pair mating on one of the busy streets near Van Ness Avenue the other day. The male pursuing the female about, and fluttering his wings and chirping continually.

May 16, 1907.
Alameda to and from San Francisco, Cal.

Only noted two or three immature Larus californicus near the Ferry Building this evening.

May 17, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; brisk northwesterly wind; clear.

In the morning a half a dozen gulls were noted flying along the mole to the eastward.

On the bay in the evening were a great many Larus philadelphia (very few black headed ones) on the water and flying. They were chiefly off Goat Island. Some of the immature ones had black on the inner edge of the wings as well as on the tail. Their flight was very graceful. When they arose upon the approach of the ferry boat they flew off a short distance uttering short croak.

Two or three Larus californicus were on the water with them. A number were also seen near the Ferry building; all immature.

To the southeastward of Goat Island a flock of about sixteen sandpipers(?) passed us.

May 18, 1907.

Alameda to and from San Francisco, Cal.

Conditions: Moderate temperature; clear; northwesterly wind.

In the morning there were a few gulls on the sand exposed near the roundhouse, but no shore birds.

In the evening several immature Larus californicus were noted on the San Francisco water front. To the eastward of Goat Island a large flock of Larus philadelphia were noted first fluttering over the water and then alighting on it. They were too far off to tell whether they were mostly white-headed or not.

Half a dozen ducks passed along the south side of Goat Island going northwest. No shore birds seen.

At High Street at 6:30 P.M. I noted three Nycticorax nycticorax working S & the S.W. They were flying low over the house tops, and somewhat erraticly, two keeping together. Later three or four others were seen working in the same direction.

May 19, 1907.
Alameda, Cal.
Conditions:— Moderate temperature; brisk westerly wind; clear.

The young Passer domesticus in the nest in the rose bush at the back of the house were found dead this morning. They were a good size but unfeathered.

An (?) Chelidon coma californica was noted flying to-day.

May 20, 1907.
Alameda to and from San Francisco, Cal.
Conditions:— Moderate temperature; brisk westerly wind; clear.

In the morning no birds were noted; I rode inside the steamer.

In the evening I rode on the after part of the steamer; a very few Larus californicus, (all showing signs of immaturity) were seen. None however, following the steamers.

May 21, 1907.
Alameda to and from San Francisco, Cal.

Conditions:- Clear; NW wind; moderate temperature.

Birds are very scarce, nothing being seen along the mole, the tide being high both in the morning and evening.

In the evening I rode across on the stern of the boat; the only birds observed were several distant gulls.

On a roof close to the window where I work in the city, I noted a male and a female Passer domesticus. The former was hopping about & chirping with wings ~~outspre~~ half spread and fluttering. The female would chase him about a bit, but finally she lost interest in him and flew off! He immediately quit chirping and watched her flight, and after a minute or so departed himself.

May 22, 1907.

San Francisco to Alameda, Cal.

Conditions:- Moderate temperature; clear; late afternoon; NW wind.

No birds were seen along the mole either in the morning or evening. Several immature Larus californicus and two or three adult Larus occidentalis were seen on the westside.

Noted two or three Nycticorax nycticorax flying over houses this evening, Squawks of course.

May 24, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- NW wind; moderate temperature; fairly clear.

A few immature Larus californicus and an occasional Larus occidentalis (adult) are the only birds seen on the bay. In the afternoon when the wind blows the strongest they sit on the water considerably, always facing to windward.

Along the seawall, marsh, and mole nothing has been observed.

May 25, 1907.

San Francisco to Alameda, Cal.

Conditions:- Moderate temperature; NW wind; clear.

Four or five adult Larus occidentalis and two or three immature Larus californicus circled about in front of steamer while she was in the slip and finally alighted. While on the water one of the Western Gulls made a jab at the back of another with its bill, but the second bird evaded it by a start forward, opening its wings slightly at the

same time.

Not much of anything was seen on the bay until southeast of Goat Island, when we encountered a flock of thirty or forty immature Larus californicus sitting together on the water. Three Larus philadelphia alighted on the water at the outer edge of the flock as we passed.

May 27, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast in afternoon; moderate temperature; clear in morning; NW wind.

On the sand exposed near the roundhouse this morning were two or three immature Larus californicus; on the bay several were seen flying.

On the bay in the afternoon half a dozen like the above were seen and also a couple of adult Larus ~~[illegible]~~ occidentalis.

May 28, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; NW wind; clear.

Although there was a very large expanse of mud and sand exposed this morning near the roundhouse there was not a bird in sight.

On the San Francisco side, in the afternoon two or three adult Larus occidentalis were observed.

On Franklin St., S.F. I saw a young Passer domesticus, but shortly from the nest, begging its mother to feed it.

May 29, 1907.

Alameda to and from San Francisco, Cal.

Conditions:— Moderate temperature; NW wind; clear.

In the morning I noted only one gull on the broad expanse of mud and sand beside the mole.

In the evening on the San Francisco side I saw one or two each of immature Larus californicus and adult Larus occidentalis.

May 30, 1907.

San Leandro Bay, Alameda Co., Cal.

Conditions:— Warm; NW wind springing up about 7:00 A.M. and increasing; overcast most of morning. Forenoon. Low tide

Birds were very scarce. None seen in Damon's Slough. A number on the mud flats of the S.F. Bay proper and of San Leandro Slough.

No gulls or terns whatever were seen.
The following are the birds I saw:—
Ardea herodias. Several. Wary.
Nycticorax nycticorax. Quite a number; all flying high save one which alighted on the mud close to us. We worked down within rifle range of it and killed it. ♂ proved to be an adult ♂ male with very large sexual organs. Dropped a fish from mouth when I shook the water from plumage.
Limosa fedoa. Probably a hundred or more seen. Of one flock of about fifty, I killed a dozen, two of which when skinned proved to be males with small testes. Heard some flocks calling, giving two sorts.
Numenius hudsonicus. For a certainty, three together.
Symphemia semipalmata (?) a flock at a distance.
Melospiza cinerea. Several in marsh on grass and debris of trees & bushes. Some singing.

3697 Limosa fedoa ♂ Alameda, Cal; May 30, 1907; GGS No

3698 Limosa fedoa ♀ Alameda, Cal; May 30, 1907; CAS No.
3699 Nycticorax nycticorax ♂ Alameda, Cal; May 30, 1907; CAS No.

May 31, 1907.
San Francisco, Cal. (Overcast.)

I noted two or three Passer domesticus dusting themselves in the earth which had collected between the basalt blocks with which California Street is paved.

June 1, 1907.
San Francisco, Cal.

Several Larus californicus on water off Ferry Building. All were immature.

June 3, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Overcast; NW wind; moderate temperature.
(No birds are to be seen nowadays along the mole and seawall.

In the evening I saw several immature Larus californicus and adult Larus occidentalis on the San Francisco side. I saw four gulls standing on a piece of wood in the water, and trying to balance themselves, while the waves from a passing steamer were making the wood dance.

They would spread their wings as if for flight when about to be dislodged. Two finally gave it up, but two stayed with the wood.

June 4, 1907.

Alameda, Cal. and from San Francisco, Cal.

Conditions:- Overcast; moderate temperature; NW wind.

Along the mole there was of course nothing.

In the evening only two or three gulls were seen. One which passed close was an immature Larus californicus.

June 5, 1907.

San Francisco, Cal.

Conditions: 5:45 P.M; moderate temperature; overcast; NW wind.

I noted an adult Larus occidentalis this evening after just leaving the slip. No birds were seen along Alameda mole either in the morning or evening.

June 12, 1907.

San Francisco, Cal.

The past week only an occasional Larus occidentalis, adult and Larus californicus, immature were seen. Nothing along the mole.

June 16, 1906.
San Francisco to Oakland, Cal.

I noted two or three Larus occidentalis on the bay. One appeared to be somewhat immature.

June 18, 1907.
San Francisco & & from Alameda, Cal.

For the last two days I have noted occasional Larus occidentalis on the bay.

June 20, 1907.

I noted an adult Larus heermanni this evening near Goat Island.

June 21, 1907.
San Francisco to Alameda, Cal.
Conditions:- Cool; W wind (brisk); fairly clear.

Saw several adult Larus occidentalis and two or three adult Larus heermanni

June 23, 1907.
Alameda, Cal.

Noted two scoters on the water between Alameda and Bay Farm Island, Cal. One dived upon close approach.

June 25, 1907.

I saw three or four adult Larus occidentalis and one adult Larus heermanni in front of the ferry slip in San Francisco this evening. Flying.

June 26, 1907.

On the bay this evening I saw several adult Larus occidentalis and two adult Larus heermanni, one near the Alameda mole, the other near San Francisco. Wind brisk; moderate temperature as usual.

June 27, 1907.

Noted two or three each of adult Larus occidentalis and Larus heermanni this evening while crossing San Francisco Bay.

June 30, 1907.

At Baker's Beach, San Francisco, this morning at low tide, 4 or 5 Larus occidentalis (adults) flew by.

On the bay about noon, 3 or 4 each adult Larus occidentalis and Larus heermanni were seen.

July 3, 1907.

For the last two nights several each of adult Larus occidentalis and Larus heermanni have been observed, the latter chiefly off Goat Island.

July 6, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Quite clear in afternoon; NW wind; moderate temperature.

Yesterday evening saw several adult Larus occidentalis and Larus heermanni on the water off Goat Island.

This evening only an occasional one of the two above species were observed on the trip across to the mole.

July 7, 1907.
Bay Farm Island, Alameda Co., Cal.
Conditions: Moderate temperature; overcast; NW wind.

I saw an Ardea herodias in a puddle left by the high tides in ~~it~~ an old road.

Along the road a number of Melospiza cinerea, Hirundo erythrogaster, and Euphagus cyanocephalus were seen. One Lanius ludovicianus was seen close to an asparagus field. Saw tracks of shore birds on sand.

July 8, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Overcast; NW wind; moderate temperature.

This morning on the sand west of Fifth Street

Station, I saw about a dozen Larus philadelphia at the water's edge. On the bay in the evening two or three ad lt Larus occidentalis and Larus heermanni were seen.

July 9, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Same as yesterday.
In the evening three or four adult Larus occidentalis and Larus heermanni were seen.

~~July 10, 1907.~~

July 15, 1907.
This morning while going along the mole I saw 2 flocks of large shore birds (about 6 each) flying southeast high in the air.
In the evening on the north side of Oakland creek I saw two or three hundred gulls in a compact flock arise from the sand. They were apparently all Larus heermanni.

July 18, 1907.
Between Cornwall and Antioch, Contra Costa Co., Cal. along the line of S. P. R. R. track I saw several (twenty or so) ducks in some fresh water ponds. Black birds abundant in tules; [illegible] across river from Antioch

July 19, 1907. (Overcast; NW wind; moderate temper.)

In crossing the bay from San Francisco to Alameda, Cal. this evening on the upper deck of the ferry boat, three or four Larus occidentalis and Larus heermanni were seen. All were adults.

July 21, 1907.
Alameda, Cal.

Conditions: Early morning; overcast; no wind; moderate temperature.

While rowing in the strait between Bay Farm Island and Alameda several Numenius hudsonicus were observed flying singly and in couples, while a number were also noted on the mud exposed by the retreating tide. Three or four Ardea herodias were seen, one flying quite close to boat and alighting on the bay shore and walking to marsh. A small flock of about a dozen sand pipers were seen flying over the water.

July 22, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Overcast; (NW wind; moderate temperature.

Several adult Larus occidentalis and Larus heermanni

two or three ~~being~~ of the former being observed on the piles at Alameda mole, at quite a remote distance from boat and trains, however.

I also noted three or four smaller gulls with lighter mantles during the past three or four days.

This morning I saw a Heteractitis incanus flying up from the rocks along the western end of the mole.

July 24, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast; NW wind; moderate temperature.

At the foot of Briggs ave., Alameda, I observed this morning at low tide a number of large shore birds feeding. They were either curlew or godwit.

On the sand exposed along the mole were a hundred or so gulls closely bunched together; apparently nearly all were adult Larus occidentalis.

Yesterday morning an adult Larus heermanni was seen running away from the mole as the train passed.

On the bay in the morning and evening, occasional adult Larus occidentalis and Larus heermanni were seen, sometimes on the water. One or two

immature birds in brown plumage, apparently the former species, have been seen during the last two or three days.

July 25, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast; moderate temperature; NW wind.

At low tide this morning I saw in the bight near the roundhouse a number of Larus occidentalis, fifty or so. They were out close to the water's edge; in fact this seems to be the habit with the gulls here, to keep near the water than the ordinary beach when the tide is out. I noted three or four large shore birds feeding on the sand apart and quite a ways back from the gulls.

Yesterday morning between 7th and 5th St. Stations I saw about a dozen curlew or godwit flying westward close over the exposed sand.

July 27, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast; NW wind; moderate temperature.

Gulls were very scarce on the bay, but on the sand near the mole they were fairly common at low tide, apparently mostly Larus occidentalis. One or two lighter-mantled gulls had been noticed on the bay the last couple of days.

Both this morning and yesterday morning a Larus heermanni were noted on the sand along the mole. Yesterday I noted one run about in semicircle in a small shallow pool of water. It had its bill and part of its head under water and was apparently chasing a fish.

July 30, 1907.
Alameda, Cal. to and from San Francisco, Cal.

Both yesterday and to-day at low tide in the morning there were a few large shore birds (one which scampered away as the train passed was a Numenius hudsonicus) on the exposed sand in the bight near the roundhouse. Out at the water's edge and on adjacent sandspits and shallow spots were a good many gulls, most of the at such a distance from the train as to be indistinguishable. On the north side of the Oakland creek

last evening were a good many gulls on the sand.

This evening I noted several on the bay, just where the two currents meet; two or three were flying and the remainder were on the water.

Sunday (July 28), in the afternoon at the foot of Walnut Street, I saw two or three Sterna elegans erythrogaster flying along the shore, but out a short way over the water. It was very windy and the tide was high.

July 31, 1907.

Alameda to and from San Francisco, Cal.

Conditions: Moderate temperature; NW wind; clear in afternoon.

In the morning the tide was pretty well in, hence only one gull was seen in the light beside the mole; it was sitting on the water. On the narrow strip of sand were several large shore birds - probably curlew.

On the bay an occasional Larus occidentalis and Larus heermanni were seen.

Aug. 6, 1907.

Alameda to and from San Francisco, Cal.

conditions:- During past six days the same; moderate temperature; overcast in the forenoon, sometimes in the evening; NW wind, which comes up about 10:00 A. M. and blows until after sundown.

I have seen very few birds on the bay, an occasional Larus occidentalis and Larus heermanni, and once in a while a lighter-mantled smaller gull (probably Larus delawarensis).

A few Numenius hudsonicus have been noted on the strips of sand along near Fifth St. and in the bight near the roundhouse. This morning I saw two Astragalinus on the telephone wire in the back yard.

Yesterday morning I saw a Nycticorax nycticorax alight in small cottonwood tree in a neighbor's yard. After looking about two or three minutes with neck up- and outstretched it flew away. Late in the evening they can be heard making a great din, (cackling or squawking) in the trees about High Street near Central and Santa Clara Avennues. The trees are all

very tall, and are mostly fir(?) trees. This evening when I came home at about 6:15 I saw three or four flying about quite high in the air, and noted two of them alight in trees; the sun was still quite high.

August 7, 1907.

Alameda to and from San Francisco, Cal.

Conditions: Overcast in morning; NW wind; moderate temperature.

In the light near the roundhouse a number of gulls and large shore birds were noted this morning on the strip of sand and mud still untouched by the water.

In the afternoon several adult Larus occidentalis were seen flying about in front of the Ferry Building. Only an occasional bird was seen until on the on the eastern side of the bay, when two or three adult Larus heermanni were seen, one flying westward close to the water, and several Larus delawarensis, both adult and young were noted on the water in com-

pany with one or two Larus occidentalis. One of these latter birds was seen sitting flat on the top of a pile a distance south of the slip on the Alameda side; usually one is seen standing here in the evening.

In an old corn field containing nothing but stubble and weeds, I observed a flock of about 40 Euphagus cyanocephalus just alighting this evening as the train passed.

Aug. 10, 1907.
San Francisco from ✱ to Alameda, Cal.

A good many gulls, Larus occidentalis and lighter-mantled ones probably L. californicus and L. delawarensis, are to be seen on the exposed sand at low tide near the mole.

A number of Numenius hudsonicus have been seen on the marsh close by on the sand. The gulls keep close to the water while the curlew do not.

This afternoon at 6 o'clock, I saw a Nycticorax nycticorax fly over the station.

Aug. 12, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; west wind; clear.

On the great stretch of sand exposed by the outgoing tide in the morning near the mole were a few large shore birds close to the marshy while on the outer stretches of sand and on the sandspits were a couple of hundred or so gulls, all too far from the train to be identified. A tern was noted diving near by. Two Ardea herodias in water up to tibiae.

On the bay in the morning occasional gulls were seen, Larus occidentalis, Larus heermanni, and one or two lighter-backed gulls probably Larus californicus or L. delawarensis.

I noted a Larus heermanni dropped hurriedly to the water to pick up something; it remained there for a moment with wings outspread and uplifted.

Aug. 13, 1907.
Alameda to San Francisco, Cal.
Conditions: Moderate temperature; calm; low tide.

On the sand and in the shallow water were two or three hundred gulls.

Aug. 15, 1907.
Alameda & and from San Francisco, Cal.
Conditions:- Moderate temperature; NW wind very light; forenoon; clear.

Near the roundhouse, when going to the city this morning, were a good many gulls on the sand and also 2 flocks of about 8 Symphemia semipalmata which flew a short distance as the train passed. On the edge of the nearby marsh a flock of 30 or 40 Numenius hudsonicus arose.

Yesterday morning I noted a Symphemia semipalmata near West Alameda Station.

Coming from the city about noon today a flock of 30 or 40 gulls rose from the water as the boat neared them off Goat Island; they were adult Larus occidentalis, and both adult and young of smaller lighter-mantled gulls. About the Ferry Bldg. on the San Francisco side two or three adult Larus occidentalis and one or two adult Larus delawarensis were observed flying about the pier and swooping down to the water.

Aug. 18, 1907.
Alameda to and from San Francisco, Cal.

Gulls seem to be about the same on the bay as last time I wrote. Last evening thirty or so Larus heermanni were seen, when a short distance out from the city, flying to windward close to the water in a straggling flock. Larus occidentalis and Larus californicus have both been observed. A number of immature gulls, either Larus californicus or Larus delawarensis have been seen.

Last night two ~~or three~~ Sterna maxima, or else the same bird twice, were seen when east of Goat Island. One lived from a height of thirty feet or so.

The flight of Larus heermanni close to the water is very much like that of Anous stolidus.

Quite a number of gulls were seen on the water last evening.

On the evening of the 16th 2 scoters were noted on the water near the seawall west of 5th st.

August 20, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Yesterday; clear; warm; NW wind. To-day, clear, moderate temperature, NW wind.

Both this morning and yesterday morning there were a good many of Numenius hudsonicus on the marsh west of 1st Street.

On the bay, immature gulls in dark plumages and adults are common both on the wing & on the water. This evening there were a hundred or so scattered about on the water SE of Goat Island. Larus occidentalis, Larus californicus, Larus delawarensis?, and Larus heermanni were observed.

Last evening near High Street I noted two or three Nyctiorax nycticorax flying about high up in the air just at dusk. They were not calling, although quite often they may be heard doing so.

August 22, 1907.
Alameda to and from San Francisco, Cal.
Conditions: Moderate temperature; NW wind; overcast in forenoon.

Along the marsh at the west end of Alameda there were a few curlew (Numenius hudsonicus) yesterday morning.

Yesterday evening there were about thirty adult Larus californicus on the narrow strip of beach near the roundhouse. They were all facing up wind and as the train passed they rose. They were standing quite close together in a rather compact bunch.

This evening I noted a great many gulls on the sand north of Oakland Creek. They were all on the ground, while last evening many were circling about.

August 23, 1907.

Alameda to and from San Francisco, bal.

Conditions:- West wind, moderate temperature, somewhat overcast.

Both in the morning and evening gulls were abundant on the sand SW of the roundhouse. Those that were close looked to be adult Larus californicus. An adult Larus occidentalis was seen on the San Francisco side this evening. Most

of the gulls seen on the bay were too distant to be identified; however, three or four seen, looked like Larus californicus and Larus heermanni. Several young birds were seen.

A Numenius hudsonicus was seen fedding in the mud of shallow slough near 1st Street.

On the evening of August 17 when at Webster Street Station, I observed three or four flocks of curlew (?) flying southward over the town. There were probably about forty in all.

No gulls follow the ferry boats yet.

Aug. 24, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; overcast in morning; NW wind.

Both in the morning and evening, when the tide was low, there were a great many gulls (those close looked like Larus californicus) on the sand near the round-house. They keep to the water's edge, only an occasional one being seen at any great distance from it. This morning ~~that~~ I noted an inlet of water which ran into the mud one or two hundred yards, and at the head of it was a flock of gulls.

Two or three Numenius hudsonicus were seen this evening near the roundhouse; they were feeding in the mud and not on top of the marsh as is often their wont.

August 26, 1907.
Alameda to and from San Francisco, Cal.
Conditions:— Moderate temperature; NW wind; overcast in the morning.

On the great expanse of sand left bare by the tide this morning near the mole, there were three or four hundred gulls, all near the water's edge. This evening on the mud along the seawall on the north side of Oakland Creek there were a great many.

On Greenwich St. Wharf No. 2 in San Francisco I saw a great many gulls to-day. They were all on the roof of the large shed. Near the top of the roof were Larus californicus and Larus occidentalis, while lower down and closely bunched were a good many Larus heermanni. On the broad level part of the roof I found the skeleton of a bird (gull), and the remains of several 5 or 6 inch fish. Gulls fairly common on the bay to-day.

August 27, 1907.
Alameda to and from San Francisco, Cal.
Conditions: Moderate temperature; quite clear; wind NW, although not blowing in the early morning.

Yesterday morning I saw a flock of about a dozen sandpipers on the beach close to the road. This morning near West Alameda Station I saw a small shore bird, either a sandpiper or a plover.

On the sand flats in the morning were a great many gulls, all out close to the water's edge and standing in the very shallow water. Yesterday morning I saw an Ardea herodias standing in the water. It caught a fish while I was watching it; showed no alarm over the passing of the train.

In the slough near the roundhouse this morning there were three Lymnodromus semipalmata. One rose a short distance with wings uplifted and outspread before rising.

I rode outside on the ferry boat this morning. Two cormorants, one going SE, the other NW, were seen. They have very peculiar flight; carrying the

body pointed slightly upwards; the wing beats are regular and somewhat rapid as well as short and rather ducklike. Several young birds were the only gulls seen; apparently Larus californicus.

In the evening a fine adult Larus occidentalis was observed near the Ferry Bldg., S.F. A number of smaller gulls, Larus californicus and Larus delawarensis (?) were seen.

No Larus heermanni were observed. No gulls follow the steamers as yet.

Aug. 28, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; westerly wind; clear.

Along the mole and along the north side of the seawall there were a good many gulls, mostly adults. Those close by along the mole were Larus californicus. Just as the train was turning into the mole, I saw seven large shore birds, apparently curlew, fly over the mole just over the train, although quite high in the air.

On the bay in the morning gulls were not common until we reached the San Francisco side. Immature birds and adults, apparently Larus californicus

and Larus delawarensis, were the only ones s...

In the evening the two above species (?) and an adult Larus occidentalis were seen.

When SW of Goat Island this morning a fine adult Stercorarius pomarinus flew over the steamer going southward. It a band across the anterior portion of the breast.

Aug. 29, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast; west wind; moderate temperature.

In the morning there was not much [illegible] spaced near the roundhouse, but what little was had a good number of Larus californicus on it. An Ardea herodias was standing in the shallow water as the train passed. Many of the gulls flew up giving to the closeness of the train

In the evening a few Larus californicus, both adult and immature, were seen while crossing the bay. When off Goat Island we saw two dark gulls flying close to the water like Larus heermanni.

Near the mole this evening I saw a Heteractitis incanus.

Aug. 30, 1907.

Alameda to and from San Francisco, Cal.

conditions:- Moderate temperature; windy all day, particularly in the morning, which is unusual; overcast.

As the water was high along the mole this morning no birds were noted.

In the evening I crossed to Oakland mole on the 5:20 P.M. steamer. Several Larus californicus and Larus delawarensis and two or three adult Larus occidentalis were noted off the San Francisco water front.

When close to Oakland Mole three Larus heermanni passed as flying westward close over the water.

September 1, 1907.

E. Alameda, Cal.

It was quite warm, but with the usual westerly wind in the afternoon.

At the foot of the street in the early afternoon I saw two curlew (Numenius hudsonicus ?) fly by. An immature Larus philadelphia flew about over a boy in swimming twice although it was hit with mud each time. It was flying ten or 15 feet above the water.

September 2, 1907.
Vicinity of Alameda, Cal. (San Leandro Bay.)
Conditions:- Forenoon; clear; 5:30 A.M. to 9:30 A.M.; slight breeze only at 9:30 A.M.; moderate temperature.

Ironed up San Leandro Slough and through the cut-off to Damon's, and down Damon's [illegible]. The following birds were observed:

Larus —. Three large immature gulls flew overhead high in the air when I was at the mouth of San Leandro Slough; they headed westward again, however.

Larus philadelphia. An immature one came about the boat when at the mouth of San Leandro Slough.

Ducks. A flock of a dozen flew over high in the air, headed southward. Two birds came two or three minutes later.

Rallus obsoletus. Quite a number about on the mud close to the grass; feeding. In some cases could approach within gunshot range. I saw one bathing. Calling. About noon time one (apparently adult) ran out of the yard west of ours, and crossed the street, where it was caught by some children as it was trying to squeeze through a fence. I clipped its wing

and ~~but~~ put in a portion of our chicken yard.
Ardea herodias. A few. Six standing together fishing in the shallow water near the mouth of San Leandro Slough in the very early morning. Two of the six I killed; they proved to be immature birds.
No Nycticorax nycticorax seen.
Sandpipers were fairly common. About a dozen taken in San Leandro Slough were Actodromas minutilla. Those taken in Damon's Slough were Ereunetes pusillus.
Macrorhamphus griseus. Quite common in both sloughs.
Symphemia semipalmata. Quite common. Doing considerable calling.
No curlew seen.
Squatarola helvetica. Several, some black-bellied; wild.
Aegialitis semipalmata. Two at foot of street at dawn.
A few small land birds in marsh; Unrecognized Telmatodytes palustris.

3700; Actodromas minutilla ♀; Alameda, Cal; Sep. 2, 1907; L. A. & S. No.

3701; Ereunetes pusillus; ♀; Alameda, Cal.; Sept. 2, 1907; b a s no
3702; Actodromas minutilla ♀ " " " " " b a s no
3703; Ereunetes pusillus ♂ " " " " " b a s no
3704; Macrorhamphus griseus ♀ " " " " " b a s no
3705; " " ♀ " " " " " b a s no
3706; " " ♂ " " " " " b a s no
3707 " " ♀ " " " " " b a s no
3708 " " ♀ " " " " " b a s no
3709 " " ♂ " " " " " b a s no
3710 Symphemia semipalmata ♂ " " " " " b a s no
3711 " " ♂ " " " " " b a s no
3712 Macrorhamphus griseus ♀ " " " " " b a s no
3713 " " ♀ " " " " " b a s no
3714 " " ♂ " " " " " b a s no
3715 Ardea herodias ♂ " " " " " b a s no
3716 " " ♂ " " " " " b a s no

Sept. 3, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Warm; no wind; overcast; ~~one or two~~ little showers.

At high tide about 11:15 this morning I ~~saw~~ no birds whatever along the mole. On the ~~N~~ side of Oakland Creek I saw a few gulls on the sand. In the

evening I noticed ~~two~~ or three Larus californicus (adult) on the bay.

A cormorant was seen flying ~~south~~ west ~~at~~ close to the water when off Goat Island this morning.

September 5, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; westerly wind; fair; clear.

This evening I noted some adult Larus occidentalis and Larus californicus while crossing the bay.

Yesterday evening I noted Larus californicus, one Sterna maxima, and two or three Larus delawarensis (?).

September 6, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; westerly wind; clear except in morning.

Both in the morning and evening I saw three or four hundred gulls on the exposed sand near the roundhouse. They were nearly all adults, apparently Larus californicus.

September 7, 1907.

On the way to Carmel, Monterey County, Cal. this afternoon, I noted a Falco sparverius on a wire beside the county road near Millbrae, San Mateo Co., Cal. Near San Mateo I saw two Zenaidura macroura flying, and later saw three flying near Pajaro, San Benito Co. Euphagus cyanocephalus noted at many places commonly. One or two Ardea herodias on the Pajaro River near tide water.

September 8, 1907.

Carmel, Monterey Co., Cal.

Conditions:- Moderate temperature; NW wind; overcast all day.

Grebe. I saw one in a cove on the north side of the bay while out in a launch in the morning. It was either an Aechmophorus occidentalis or a Colymbus holboellii;- I am inclined to think the latter.

Gulls. I noticed a number of birds on the kelp, apparently of this ~~species~~ order. Several adult and immature Larus occidentalis were seen, one of the former being observed sitting on top of a rock a short distance offshore. Other unidentified young gulls heard.

Puffinus griseus. A little before 10 A. M. they began coming southward in an immense black stream, passing apparently quite close to Pescadero Point.

They probably amounted to about a million. They passed the Point in a steady stream for about half an hour, the line almost stretching from Pescadero Pt. to Pt. Carmel, when the birds ahead began swinging into the bay and lighting on the water. In a short time they began going north again, the birds which did not alight circling in the bay. We headed out to them in a launch: there were hundreds and thousands on the water and thousands [illegible] by, all going northward again. Many on the wing passed almost close enough to be struck down with the oars, while others on the water only got up when the boat was within 8 or 10 feet of them. Many were paddling about with their heads under water for half a minute or so. They flew in usual style, close to the water with a few flaps and a sail. One bird was observed with the back portion of the head pure white.

Puffinus opisthomelas. An occasional single one on the outskirts of the army of

Puffinus griseus. Later one or two were seen alone on Carmel Bay. Their flight resembles that of Puffinus obscurus; they kept close to the water.

Larus heermanni. Several, some immature, one or two adult.

Phalacrocorax penicillatus. One on the edge of the flock of shearwaters and a few on the rocky ~~at t~~ islets in the north end of the bay.

The flock of Puffinus griseus was in ~~the bay~~ Monterey Bay, close to the town of that name, in the morning before coming into Carmel Bay. They were said to be after sardines. After leaving Carmel Bay they returned again to Monterey Bay.

Dafila acuta. When offshore always a flock of a dozen passed us.

Oidemia. Quite a few just outside of breakers at beach in front of town.

Limosa fedoa. Seared up a flock of a dozen on the beach back from the water. A Numenius hudsonicus tailed after them.

Cathartes aura. Two circling about near Mission San Carlos.

Jay. Noted one or two in the pine trees. I suppose it was Aphelocoma californica although I was not close enough to distinguish.

Junco hyemalis. I noticed two or three flocks of twenty or thirty feeding on the ground. They flew up into the bushes when approached.

September 9, 1907.

Pacific Grove, Monterey Co., Cal. to 10 miles West.

Conditions:- Overcast; moderate temperature; NW wind coming up about 10 o'clock A.M. We went out about 6 o'clock A.M.

Uria troile. Two or three young ones close in shore in the afternoon.

Cepphus columba. One black one in the morning.

Brachyramphus hypoleucus. Three or four together.

Brachyramphus marmoratus (?) One or two.

Stercorarius pomarinus. Quite a few all the [illegible]. None were in dark phase. Mostly nearly adult birds showing some barring, however. Flying singly and high and decoying with 2 or 3 exceptions to birds thrown into the air.

Stercorarius parasiticus. A fine, adult was taken pretty well offshore.

Larus occidentalis } and other immature unidenti-
" californicus } fied gulls were noted quite commonly, chiefly in shore.

Quite a flight early in the morning over "Lovers' Point". Beck says it is regular every morning

Xema sabinii. About a dozen seen, mostly at a distance. Would not ? One immature one. Looks somewhat like Creagrus furcatus when at a distance.

Sterna hirundo. Fairly common offshore. As many as a dozen at times. Many were very young birds with brown markings on the back and wings. The adults were beginning to show white in their black caps. Some may have been Sterna paradisea — investigate later!

They decoyed quite readily to birds thrown into the air. And when shot at stayed about as a rule for two or three minutes, usually calling. They all seemed to be working south as were the jaegers and Xema sabinii.

Larus heermanni. A few, especially along the coast; both adult and immature.

Puffinus griseus. Common offshore, mostly working north singly either from a flock or one. Fly close to the boat and quite low over the water.

Puffinus creatopus. A few. When two or three miles offshore in the afternoon we saw a flock of about twenty flying. A bird which was wounded and captured called in terror quite steadily for over a minute — rather shrill.
Puffinus opisthomelas. Quite common singly.
Phalacrocorax penicillatus. A few on rocky islets along shore. Several seen flying, some well offshore.
Dafila acuta. A flock of about twenty flew over when we were several miles offshore. They were going southward, passing us just out of range.
Phalaropus lobatus. A few. Sometimes several in a flock. One was taken in winter plumage. I saw some sitting on the water.
Heteractitis incanus. One on rocks at Lovers' Point.

September 10, 1907.

Pacific Grove to San Francisco, Cal.

Conditions:— Overcast at both termini; in the interior valleys it was clear; wind westerly; moderate temperature; forenoon.

In the morning at Pacific Grove I noted two flocks of cormorants (Phalacrocorax penicillatus)

coming up the coast into Monterey Bay. They were strung out in a long line close to the water and probably numbered 20 to a flock.

Calidris arenaria. One in the street near the R.R. depot at Pacific Grove was caught by a small boy. It probably struck a wire last night; Beck said he heard some passing over.

Along the shore between Pacific Grove and Monterey I saw a few gulls and cormorants on the rocks and buoys.

Between Del Monte and Castroville I noted three or four small ponds or lakes full of tules. In one I noted several Fulica americana (?).

In the marshes above Castroville I noted several sandpipers and one Numenius hudsonicus.

On a fence beside the Pajaro River below the town of that name I saw a Zenaidura macroura. It sat motionless on the top rail of the fence as the train passed within a few yards.

Near Gilroy I noted a Cathartes aura soaring about on motionless wings. Falco sparverius

was noted occasionally from Eastbrooke up to San Mateo, while Euphagus cyanocephalus were noted over the whole route, and yesterday morning several were seen feeding on the beach at Pacific Grove, Monterey County.

September 10, 1907.

San Francisco to Alameda, Cal.

Conditions:- NW wind; moderate temperature; clear; about 6:00 P.M.

Off Goat Island I saw a small flock of mostly immature gulls and one Stercorarius pomarinus hovering over the water. After a minute the jaeger flew off to the south and the gulls dispersed as the steamer approached.

On the sand exposed near the roundhouse were a great many gulls, apparently mostly adult Larus californicus.

September 11, 1907.

On the sand near the roundhouse this morning there were great numbers of gulls, all those close by appeared to be Larus californicus and with only one or two exceptions they were adults. Very strong NW wind to-day.

September 12, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Strong NW wind; overcast in the morning; moderate temperature.

I saw an Ardea herodias and a small hawk flying over the marsh west of First Street this morning. At the water's edge were some hundreds of gulls this morning and this evening at low tide near the roundhouse. Apparently they were Larus californicus.

In the evening there were a ~~good~~ great many gulls SW of Goat Island but at a long distance from the steamer. They were in a large flock flying very close to the water.

September 13, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; overcast in morning; brisk NW wind.

In the morning gulls were very abundant on the sand near the roundhouse. In the evening near a warship and steamer lying SW of Goat Island there were a great many gulls flying low over the water - Larus californicus, chiefly adult and immature.

Two or three adult Larus heermanni were seen. Many of the adult Larus californicus have streaked heads.

Near Alameda Mole this evening several gulls passed which looked like adult Larus delawarensis. From out of the slip flew an adult Larus heermanni and an immature Larus californicus as the boat entered. Standing on a pile was an adult Larus accidentalis which flew upon the close approach of the steamer. One or two flying were seen on the San Francisco side this evening along with a number of Larus californicus about the ferry slip.

September 14, 1907.

Alameda to San Francisco, Cal.

Conditions:- Moderate temperature; forenoon about 8:00; overcast; nowind to speak of.

Near the roundhouse the tide had gone out just far enough to leave a strip of beach exposed, on which were a hundred or two Larus californicus (nearly all adult). I noted one adult Larus occidentalis, several Symphemia semipalmata, and two curlew or godwit. Many of the birds flew up as the train passed as they were quite close to the track. Some in shallow water, standing.

September 17, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; clear; NW wind.

Sunday morning, Monday morning, and this morning there were no gulls on the beach near the roundhouse, the tide being quite high; there were none in the evenings either, for the same reason.

This morning when south of Goat Island I saw a great many gulls on the water and hovering over it just where the two currents met, the line being very sharply defined, the green water on one side, the brown on the other. They were mostly Larus californicus, adult and immature.

This evening I noted gulls all of the way across.
Larus occidentalis. An adult near the Ferry Bldg.
" californicus. Common, both adults and immature. The adults have streaked heads.
Larus canus or Larus brachyrhynchus. One or two small gulls on the Alameda side, which looked very much like one of these two species.
Larus heermanni. Three or four. I saw one sail a short distance close to the water like a shearwater. Did it a couple of times.

Larus philadelphia. I saw three or four gulls at a distance which acted like this species.

Buteo borealis. Yesterday a little after noon I saw a large hawk, apparently this species, sailing around over Nob Hill, San Francisco, quite high in the air. It was a very clear day.

September 18, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Very warm; clear; NW wind in the afternoon.

The tide was so high this morning when I went to the city that there were no gulls on the beach near the roundhouse. A short ways off shore, however, I noted a flock of about thirty bunched together on the water.

I rode inside the steamer both ways, but an occasional Larus californicus and one Larus heermanni were noted.

For the past few evenings I have noted a great many Euphagus cyanocephalus in the eucalyptus trees along the shore near 5th St. Station.

September 20, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; clear; westerly wind;

Yesterday morning near the roundhouse I saw half a dozen Limosa fedoa standing together on the narrow strip of beach. There were a few gulls on the water offshore. It was a perfectly calm clear morning and the water was as smooth as a mill pond, - the same remarks are true this morning.

In the early part of the week I saw a flock of about a dozen sandpipers on this same beach. This morning there were no birds whatever on the beach near the roundhouse ~~this morning~~, although considerable sand was exposed. On the water, however, a short ways offshore there were two flocks of Lari numbering probably a hundred and fifty altogether. A small grebe was also seen. Another was observed along the seawall between Fifth St. and West Alameda Station. In the vegetable gardens and flying over them were a great many Euphagus cyanocephalus this morning.

This evening the only species of gull noted were Larus californicus, but in an immense variety of plumages with the exception of the white-headed adult. The most were seen at or over the junction of the two currents south of Goat Island. Near here also were observed about a dozen terns (Sterna forsteri?) all flying, not particularly close together, and none calling. Among these was a jaeger, apparently Stercorarius pomarinus in adult plumage.

September 21, 1907.

Alameda to San Francisco, Cal.

Conditions:- Forenoon; moderate; fairly clear.

There were a good many gulls on the beach near the roundhouse this morning, and on the water there were a few more. Just at the curve of the track at the roundhouse there were Gulls sharing on the telephone wire; the train passed within thirty feet of it.

September 23, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast in the morning; moderate temperature; westerly wind.

Both in the morning and the evening there were a great many gulls on the beach exposed by the tide near the roundhouse. In the evening there were hundreds, mostly near the waters' edge. Those that were close were Larus californicus. On the bay the greater part were Larus californicus in both adult and immature plumages.

Three or four mornings ago a flock of about a dozen Limosa fedoa (?) were noted on the beach just east of Fifth Street; several were seen there this morning.

Six sandpipers were seen flying high in the air close to the mole this morning. Three birds left the rocks of the mole as the train passed this morning; they looked like turnstones (Arenaria melanocephala).

September 25, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Clear, particularly in the morning; westerly wind; moderate temperature.

Both this morning and yesterday morning there were numbers of Lari on the beach exposed near the

roundhouse. In the evenings, however, there were no birds, it being quite dark when the train reached that point, viz.:- about 6:05 P.M.

During the past week I noted a cormorant flying westward when off Goat Island; I do not remember the exact date. Two or three days ago I saw a Great Blue Heron (Ardea herodias) standing in the shallow water off West Alameda, but at a considerable distance from the mole.

This morning I rode outside on the forward deck of the steamer. It was a beautiful clear morning with just enough air stirring to ripple the surface of the bay. Off over the Mt. Tamalpais range was a heavy veil of fog, but in the vicinity of the peninsular and transbay cities all was clear. Only an occasional Larus californicus (the immatures are now much more numerous than the adults, which have striped heads) was seen until fairly close to San Francisco. Here there were a good many gulls on the water, those flying up close to us were immature Larus californicus, in many plumages, and immature Larus delawarensis,

birds were eight or ten beautiful adults of the latter species, all passing close enough to be positively identified.

In the evening a few Larus californicus were seen on the San Francisco side, more adults being noted than in the morning.

Last night several gulls were seen circling high up near San Francisco.

This morning I saw a small hawk, probably Falco sparverius flying over the Italian vegetable gardens near West Alameda. Monday evening, the 23rd, at 6 o'clock I saw one at High Street.

September 26, 1907.

Alameda to San Francisco, Cal.

Conditions:- Moderate temperature; clear; no wind; morning.

Near the roundhouse and on the beach and water to the southward towards the bridge there were a great many gulls this morning, while on the bay scarcely a one was seen. While going along the mole one or two were seen flying westward. Near Goat Island I saw a cormorant going south. Two ducks.

September 27, 1907.
Alameda to San Francisco, Cal.
Conditions:- Another beautiful morning such as that of yesterday.

In the slough near the roundhouse I saw a Numenius hudsonicus. On the beach were a great number of Lari, (Larus californicus, chiefly). There were also a few large shore birds of ~~two~~ species, the larger being Limosa fedoa. Several sandpipers were also seen with them.

~~In the evening~~

September 30, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Clear; moderate temperature; westerly wind.

In the forenoon and the evening the tide was high and there were no birds on the beach near the roundhouse. Among the warships off Goat Island there were a good many gulls; those which I saw through the window were Larus californicus. In the evening at 5:10 many gulls were heard calling in front of the ferry depot.

Oct. 5, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- To-day, moderate temperature; westerly wind; clear. During the two or three days preceding this, it has very warm with practically no wind.

Larus californicus, very common, some few following the steamers. For the two or three days they were very common in the morning at the junction of the two currents, which occurred on the San Francisco side. Near the roundhouse a few have been noted on the water. This evening, however, there was considerable mud exposed, but no gulls on it, about 5:40 P.M.

Two adult Larus heermanni were seen among the California Gulls on the 3rd off the S.P. waterfront.

This morning yesterday morning there were about 40 or 50 Lymphemia pennsylvanata on the beach near the roundhouse; they would fly as the train passed. Two or three Limosa fedoa or Numenius were seen with them. A Falcopar-

Sterna was seen, two or three together flying along the mole over the water; equally abundant. Land birds are common.

Yesterday five ducks (scoters?) were seen flying southward on the bay. Two cormorants were seen going seaward.

Several terns have also been observed along the mole, diving.

October 9, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast in morning; westerly wind; moderate temperature.

Gulls, apparently nearly all Larus californicus, have been abundant for the past three mornings on the beach exposed near the roundhouse.

Oct. 11, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; drizzling in morning with S E wind; clear in afternoon.

Both this morning and yesterday morning Larus californicus were abundant near the roundhouse. On the bay this species was also seen, particularly near the wrecks

Oct. 12, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- clear; westerly wind; moderate temperature.

In the morning there was not as much sand exposed near the roundhouse and hence gulls were not as abundant as a day or so ago.

While going down the mole this morning about a dozen cormorants passed over the train high up in a long wavy line, going northward.

This evening I noted Larus californicus on the bay in adult, immature, and intermediate stages; the adults having mottled heads.

Near the roundhouse this evening a small duck, perhaps a teal, flew up from the marsh close by the track and alighted again in the marsh a short distance away.

Oct. 16, 1907.
Alameda to ~~and from~~ San Francisco, Cal.
Conditions:- Clear but hazy; moderate temperature; no wind; forenoon, 7:40 to 8:30. Dark when coming home.

Along the mole no birds were noted, the tide being high. On the bay a few gulls were seen, Larus cal-

ifornicus in several places, and several Larus heermanni. A good many gulls were seen on the water when we were south of Goat Island.

When close to the warships two bands of ducks of about thirty each followed by a pair passed us going southeast; they were quite high and looked like river ducks.

Two or three cormorants passed to the northward. I think the most of these birds I have observed are Phalacrocorax dilophus as I believe they show the yellow gular sac.

Oct. 17, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast, particularly in the morning; moderate temperature; no wind in morning. Time, 7:40 to 8:25 A.M. and 5:05 to 5:30 P.M.

Along the mole this morning there were no birds owing to the highness of the water, and in the evening it was too dark to see.

Larus californicus was the only water bird seen on the bay, chiefly on the San Francisco side; young of the

Oct. 18, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast in morning with no wind; in the evening clear, westerly wind; moderate temperature.

Larus californicus was observed on the bay, while along the mole nothing was seen the tide being high. A few land birds were seen flying eastward over the water close to it, however; this is observed frequently. Near the roundhouse beach I saw two or three Sturnella magna and a Falco sparverius, the latter flying.

Oct. 20, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Clear; westerly wind in afternoon.

About noon when I went to the city the tide was very high and no birds were seen along the mole, save a Sturnella magna near the roundhouse. On the bay gulls were not so common until we got near the cruiser "Maryland" where there were great numbers on the water close to her. A flock of about forty ducks was seen going southward close to the

water when we were off Goat Island. The gulls appeared to be mostly Larus californicus; two or three Larus occidentalis; and one or two Larus heermanni, yesterday and to-day.

Oct. 21, 1907. Alameda to and from San Francisco, Cal.

Larus californicus is common and ~~fat~~ a few follow the steamers. In a great variety of plumages.

Yesterday afternoon when returning from San Francisco I saw two large flocks of about fifty each of small gulls (apparently Larus philadelphia) on the water close together off Goat Island. When the steamer came they all arose uttering a few shrill calls. There were several large gulls among them.

Oct. 22, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast; moderate temperature; light wind; drizzly.

This evening I saw quite a few Larus heermanni off Goat Island; eight cormorants also passed going southward. On the sand near the roundhouse this morning there were one hundred and fifty or so gulls

Several gadwall were seen along the sea-wall ~~A flock of ducks were seen going north and on the~~ and one along the mole.

Oct. 24, 1907.

Alameda to San Francisco, Cal.

Conditions:- Moderate temperature; no wind; overcast; time about 8:00 A.M.

On the sand exposed near the roundhouse there was a flock of 40 or 50 sandpipers feeding.

Two or three days ago during a high tide I saw a great many hunters in the marsh west of 1st Street. I noted one carrying a Rallus obsoletus.

One or two small grebes were seen along the sea-wall and mole both this and yesterday morning.

Oct. 25, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; no wind to speak of; raining all day.

This morning there were forty or fifty sandpipers on the beach near the roundhouse. This morning

when east of Goat Island, about twenty cormorants crossed our bows very close, going southward in their usual wavy style, keeping quite close to the water.

For the past two or three mornings I have noticed two or three cormorants sitting on a horizontal stick placed on two vertical ones, apparently the remains of a blind, situated southward of the mole.

Oct. 27, 1907.

Alameda to and from San Francisco, Cal.

Conditions :- Warm; quite clear; no wind.

Larus californicus, in adult and immature plumage, was very common on the bay, a large flock being seen near the "Maryland." About three o'clock when coming down Market Street, I saw a number of gulls circling high in the air above Davis Street.

Along the mole and seawall several small grebes and one or two large grebes or cormorants were seen at high tide.

Oct. 30, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Clear; northerly wind; moderate temperature.

Thee or four days ago I saw a Gymnodemia semipalmata flying over the beach near the roundhouse.

The tide has been quite high and no birds have been seen here lately (near the roundhouse)

Larus californicus is abundant on the San Francisco side and follows the ~~the~~ boats considerably. This evening about 5:05 they were very abundant about the Ferry Bldg., S. F., many uttering shrill cries as they swooped to the surface, each trying to beat the other in the scramble for floating refuse. Most of them were immature birds, few adults being seen, and all that were, having spotted heads.

This evening I saw a duck close to ~~the~~ mole on the water just at dusk.

Oct. 31, 1907.

Alameda to San Francisco, Cal.

This morning while ~~going down the mole~~ crossing the bay I saw four ducks flying westward.

Nov. 5, 1907. Alameda to ~~and from~~ San Francisco, Cal.
Conditions:- No wind; overcast in afternoon; moderate temperature.

Yesterday morning when crossing the bay to San Francisco I saw four cormorants flying northward, also four ducks quite high up. This morning noted a couple of cormorants ~~again~~ doing the same thing, and one lone duck going southward. On the bay Larus californicus is seen very commonly, mostly in immature plumages, many of them following the ferry boats.

Along the mole this morning the water was perfectly calm, the air a little hazy. Strung along the mole for about half its length beginning at the landward end there were a good many gulls, some on the water, some flying or fluttering over it. Larus californicus and several Larus philadelphia were the species observed.

Nov. 9, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Rather warm; westerly wind; [illegible]

up it was foggy in Alameda and clear on the bay. Yesterday morning it was foggy between Goat Island and San Francisco.

This morning when about off Goat Island I saw two ducks going southward quite high in the air.

Yesterday morning and the morning before there were three or four hundred sandpipers and a good many gulls (apparently Larus californicus) on the sand exposed near the roundhouse. The sandpipers all flew up, also many of the gulls), one flock passing over the train towards Oakland Creek.

On the day before yesterday at about noon when between San Francisco and Goat Island on my way to Berkeley, I saw a good many Larus californicus (all white all in winter plumage) both flying and on the water. It was a beautiful warm warm tide with scarcely a bit of wind; the gulls being on the water in the ripples but where there was no oil. When returning about 4 o'clock in the afternoon, it was quite windy

and shag. Two California Murres observed (flying), and also several Larus Philadelphia.

Between the Key Route mole and the Oakland Pier the day before yesterday I saw a cormorant flying westward. (In San Francisco Bay, Oakland, Alameda and Berkeley localities with two or three white secondaries in one wing.

Nov. 11, 1907.

Alameda to San Francisco, Cal.

Conditions:— Moderate temperature; overcast; light westerly wind; about 8:00 A. M.

It was nightfall and I could see birds flying along the mole. Flew to Alameda; saw, however, quite a few small land birds, finches and Sturnella magna, etc. flying.

On the bay quite a few cormorants near the latter [illegible] "California", quite a good many [illegible] on the water. Larus californicus, chiefly, and also a few Larus Philadelphia were seen. Three or four

ducks were seen flying ~~[illegible]~~ to the south, and two Cormorants going north, the latter close to the water.

Nov. 13, 1907.

Alameda to San Francisco, Cal.

Conditions:- Moderate temperature; clear; light winds.

Although it was high tide this morning there were quite a few gulls on the water beside the mole. They appeared to be Larus californicus. On the bay southwest of Goat Island came out on deck; gulls were common, mostly Larus californicus, many being adults, and several Larus philadelphia. A small flock of ducks were seen going southward, and several quite high in the air; two cormorants passed ocean-ward close to water.

Yesterday morning there were gulls along the mole just as this morning. Half way down the mole was a cormorant, sitting unconcernedly on a rock at the top of the south wall close to the passing. Saw a small flock of ducks on bay going southward.

Nov. 14, 1907.
Oakland to San Francisco, Cal.
Conditions:— clear; moderate temperature; light wind; about 8:00 A. M.

On the water by the mole are quite a few (100) Pelecanus californicus, and many more were seen as I went out and back on the San Francisco side of the bay. When near the end of the mole I saw two cormorants and a flock of about fifteen ducks going northwest, flying in naval style.

Nov. 15, 1907.

I went to San Francisco on the 6:05 A. M. train from High Street. Once inside the Golden Gate of San Francisco, there were a good many Larus californicus about the docks. I saw one bird which I took to be an immature Larus glaucescens. I saw a few Pelecanus californicus, Zenaidura, Tamaulipas, etc. Morning overcast; slight north wind.

Nov. 16, 1907

Alameda to San Francisco, Cal.

Conditions: Clear; moderate temperature; wind.

Along the inland high tide there were a few scattering Sanderlings and Marbled Godwits, and a few scattering Forsters Terns, all of which flew up as the train passed, some alighting a little further on.

I rode inside the ferry steamer until close to San Francisco; then off Goat Island I saw two or three terns going southward. Off Goat Island several Larus philadelphia were seen, and also in the city. Larus californicus were common. Among the ladies there were a few Larus glaucescens, adult and young. Standing on the piles, S. F. side, I saw two young Larus glaucescens and one young Larus argentatus.

This evening I saw two cormorants going northward. Two mornings ago I heard Clangula clangula among the gulls near the mole. Went up the track [illegible]

Nov. 18, 1907.

Alameda to San Francisco, Cal.

Conditions:—Tide going out; 9:00 A. M.; light north wind; cold.

All along the south shore of the Estuary gulls were seen flying westward, and when just west of Park Street several passed over flying to windward. The passed close to the housetops, and looked to be Larus californicus. One — the water the most of the birds were flying high, their flight being somewhat Tern-like. Occasionally one would make a sail just as a Shearwater does. A few were flying close to the water. Along the west shore of Alameda they were flying northward, and crossing over the island to the estuary into the mole.

The first part of the trip on the boat I rode in the after deck. A few gulls (Larus californicus and Larus californicus, mostly the former (the former mostly young).

Just after leaving Alameda mole I saw two flocks of duck, one of about 30 each flying northward, very high in the air in V-formation.

On the San Francisco side there are a number of gulls on both the above piles, a pair three Forster-tern standing on the piles, all facing to windward with heads close to, and almost parallel held horizontally.

Nov. 20, 1907,
Alameda & San Francisco, Cal.
Conditions:- cold; morning, clear; light winds.

Larus glaucescens and Larus californicus on bay and along mole. Two cormorants going northward. Several ducks going southward yesterday morning.

Along the mole this morning I saw a few Canguda canguda and one or two Buccinum gules. The Golden-eye, although at a great distance from the mole, flew as I passed.

Nov. 21, 1907.
Alameda to San Francisco, Cal.
Conditions:- Slightly foggy in east Alameda; bay is low; cool; inclined to spit; 8:00 A.M.

Ordinarily the steamers are two way overs. On the piles on the San Francisco side I saw two or three young Larus glaucescens.

On the piles south of the ferry slip at Alameda I note there were a dozen or so large gulls which looked like young Larus glaucescens. Along the mole I saw only two gulls, both flying; tide high.

Along the seawall west of 5th St. several ducks flew up which looked to me to be Charitonetta albeola; one or two small grebes were also seen. Along the mole one or two Clangula clangula were seen, and also several ducks and small grebes which dived as the train passed.

[illegible] are seen flying along the mole almost every day and they are tame.

Nov. 22, 1907.

Alameda to San Francisco, Cal;
Conditions:- Overcast; moderate temperature; 8:00 A.M.

Only one or two gulls followed the steamer while east of Yerba Buena Island this morning. Something more than usual, however, and a number swooped for it, with shrill cries. After that quite a number followed, viz:- Larus californicus and Larus occidentalis. On the piles and the roofs of the sheds in front of the Ferry Building there were a good many gulls chiefly the former species.

Along the mole I saw a few ducks and small grebes at a distance on the water, also a flock of ducks at a distance, flying. Just as the steamer was leaving the mole a cormorant passed over us flying northward.

During the past two or three weeks one or two loons have been seen on the bay, flying northward.

Nov. 23, 1907.

Alameda to San Francisco, Cal.

Conditions:- Foggy, Hazy, clear; moderate temperature; wind to speak of.

Along the mole this morning the tide was quite high; a few ducks and small grebes were seen on the water (with the exception of the gulls and shore birds). A flock of [illegible] cormorants passed to the northward. They flew close to the water for a long distance, then suddenly rose a dozen feet, then flew low again. I rode up along inside on the steamer, and saw several gulls about, Larus glaucescens and Larus occidentalis, both immature and adult. Two ducks were seen flying northward close to the water, northward. Some flocks of about a dozen each of cormorants passed going northward. One flock passed very close to the steamer, and from the color of the gular sacs, I would say they were Phalacrocorax dilophus.

Nov. 24, 1907.
San Leandro Bay, Alameda, Cal.
Conditions:- clear; warm; 2:30 P.M.; no wind.

Saw several Larus philadelphia flying over the water of the bay.

Nov. 25, 1907.

Alameda to San Francisco, Cal.
Conditions:- About 7:30 A.M.; cool; hazy; no wind
+ special of.

Along the mole one or two water birds
were seen, a small grebe in the water and a dis-
tant duck flying. Several ~~ducks~~ gulls
were seen flying eastward along it.

Yesterday afternoon at Fruitvale, Alameda,
I saw one or two Sturnella magna, also
a flock of 20 or so Euphagus cyanocepha-
lus on the telegraph wires.

Nov 26, 1907.
Alameda to San Francisco, Cal.

This morning it was rather foggy. Along
the mole one or two Calcula calcula, several
gulls flying and on the water, several small
grebes, and one cormorant on the water quite
close to the mole were seen.

On the crossing in front of the Ferry
Building, San Francisco, there were a good
many Larus californicus, Larus canus or
Larus brachyrhynchus, and Larus glaucescens.

The Larus canus or Larus delawarensis were hovering over the water like Larus Philadelphia do. One or two were in brown plumage.

Nov. 27, 1907.

Alameda to San Francisco, Cal.

Conditions:- cold; frosty; clear; no wind.

Along the route this morning birds were very scarce, two or three ~~too~~ small Grebes and four or five Plangula clangula King and that were seen.

Nov. 28, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- 8:40 A.M. to 5:10 P.M.; ~~was~~ moderate temperature; clear and beautiful; no wind to speak of.

When going to the city on the 8:40 train, I saw a large number of ducks bunched together on the water a quite a distance south of the mole. The tide was high at the time.

When returning from the city I saw along the route several ducks and small grebes, all of which dived as the train passed. A cormorant was seen, however, quite close and holding a

four, five or six inches long, in its mouth while sitting on the water. I held the fish just behind the head. On the beach exposed near the roundhouse, there was a flock of about 25 sandpipers, and with them a dozen or so Larus philadelphia. All flew up and circled once and settled again as the train passed.

On the bay Larus californicus and Larus glaucescens (immature and adult of both species) were very common, quite a number following the steamers, and a great many on the water near the warships. I saw a large flock of gulls hovering over the water near Goat Island. Near the Alameda mole I saw a large grebe or a loon on the water.

Nov. 29, 1907.
Alameda to San Francisco, Cal.
Conditions:- Morning; northwind; clear; cool.

Along the mole a few small grebes and ducks (Clangula clangula), and offshore quite a flock of ducks on the water.

Larus glaucescens & Larus californicus very common, particularly the former, especially on sheds, piles, etc.

November 30, 1907.
Alameda to San Francisco, Cal.
Conditions: — Cool; no wind; clear.

Along the mole a few ducks and small grebes were seen. On the San Francisco side Larus glaucescens, mostly young, were abundant, while Larus californicus was considerably less so. ~~Some~~ Several of the Glaucous-winged Gulls sat on the water until the steamer was within a few feet of them. I saw a pair of young ones fighting while sitting on the water.

Dec. 1, 1907.
Alameda, Cal.
Conditions;— Frosty early in morning; warm; clear; no wind rest of day.

On Central Ave. this morning at 7:15 I saw about 30 Euphagus cyanocephalus sitting on telegraph wires, all bunched fairly closely. In my back yard I saw two ~~or~~ three dull-plumaged Sandpipers, feeding in back of big trees, and one on ground. Saw one hanging head downwards as do ~~the~~ Chickadees.

Dec. 4, 1907.

Alameda to San Francisco, Cal.

Conditions:— Moderate temperature; strong south wind; overcast; rained just as we reached San Francisco; sea somewhat rough; about 1:00 P.M.

Along the mole I saw ~~two or three~~ several Clangula clangula and one Oidemia deglandi, the latter species was flying along the mole, heading a little away from it, being blown sideways by the wind. I saw one Clangula clangula flying to windward. All of these ducks were quite a distance from the mole, being well out of shot gun range.

I saw a number of Larus occidentalis, mostly immature, a few Larus californicus (adult) were observed following the vessel before we left Alameda mole. There were a great many Larus glaucescens (mostly immature) on the piles and sheds on the San Francisco side. Very tame as usual.

Yesterday morning I saw an adult Larus occidentalis, also a few Larus glaucescens in the air, the latter being on the Alameda side.

December 5, 1907.
Alameda to San Francisco, Cal.
Conditions:- Foggy; moderate temperature; no wind. about 8:00 a.m.

There were a good many Clangula clangula along the seawall this morning in the fog. The most of them either flew or dived.

Larus glaucescens was very common on the bay. One or two Larus californicus (adult) were seen. Three cormorants crossed our bows in the fog.

December 6, 1907.
Alameda to San Francisco, Cal.
Conditions:- Strong southwest wind; rainy; moderate temperature; morning about 8:00 a.m.

There were several Clangula clangula and small grebes along the mole. One Clangula clangula was very close, as was also the only Oedemia deglandi seen.

Larus californicus and Larus glaucescens was observed on the bay, the latter, of course, being the abundant bird.

About 3:30 in the afternoon, at 1846 Gough Street, a good many gulls passed over beating to windward close to the housetops. They appeared to be Larus californicus and Larus glaucescens.

December 9, 1907.
Alameda to San Francisco, Cal.

This morning I saw a Larus philadelphia near Goat Island. There were lots of Larus glaucescens about, many following the steamers. Three were standing on the forward part of the lower deck of the "Piedmont," while two others were taking their ease on the after flag poles.

December 10, 1907.

~~Alameda to~~ San Francisco, Cal.

Conditions:- Southwest wind; rain.

There were a large number of gulls going westward over the city this evening about 5:10.

December 15, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- cold; rainy in forenoon; overcast; southerly wind. Went to the City on the 9:40 A.M. train. Returned on the 2:10 P.M. steamer.

When I returned I saw along the mole a few distant ducks, 2 grebes also several hunters. On the sand exposed by the retreating tide there were a couple of hundred gulls, pretty well spread out. A small compact flock of a dozen or a score of sandpipers were seen on the sand among them.

Larus philadelphia. Three or four on the Alameda side of the bay, one on the water.

Larus californicus. Four or five adults. One or two young ones. One adult in pile.

Larus glaucescens. Abundant. Hundreds on the piles and roofs of sheds. Very tame, allowing me to sit on the steamer within six or eight feet of them. Three were seen in the rigging of the battleship "Nebraska", while at nearby steamer had a score of them on a double horizontal beam just above her decks. Several were seen on the staircase decks of passing ferry boats. About the ferry slips they are quite bold, particularly the young, which are far in the majority of the adults. Several were seen to stretch their necks forth, and for sometimes half a minute, keep up a continuous cackling call, usually ending by chasing the bird from the adjacent pile by making a rush & flying jump at it. All of the adults and half-grown had white heads. I saw a few birds on the piles at Alameda Mole also. I saw one young bird flying over lower Market Street this afternoon.

Last evening when going to the ferry about 4:50 P.M. I saw a great many gulls (apparently mostly Larus glaucescens) flying westward over the city. They were to all appearances following the low land, keeping out Geary Street or thereabouts, where a large valley runs towards the ocean.

Larus canus or Larus brachyrhynchus. Several

on the water in front of the ferry slips on the San Francisco side. One or two were young.

Ducks. Several were seen flying high in the air. Two or three days ago I saw a flock of birds going southward at a great height in the air. They were in V-formation, and were probably ducks or geese.

Cormorants. Three or four flying on board in customary manner, front part of body being slightly elevated.

3 or 4 days ago saw 3 light-plumaged Phalacrocorax dilophus close to the mole, on water as train passed.

Alameda, Cal.

At the same place on Central Avenue that I have seen them for 2 or 3 Sundays, I saw this morning about 8 o'clock a considerable number of Euphagus cyanocephalus. In my back yard this afternoon I saw several Zonotrichia leucophrys, two or three Zenaidura carolinensis, one or two Astragalinus. It was very cold early this afternoon.

December 16, 1907.

Alameda to and from San Francisco, Cal.

Conditions:- Cold; overcast; no wind in particular; G. M.

Along the mole there were a few ducks and grebes and cormorants, and off a ways two or three large compact flocks of ducks on the water.

On the bay I saw ~~three~~ half a dozen or so ducks flying northward. Larus glaucescens was abundant on the bay, adults & young following the

steamer. Only an occasional Larus californicus was seen.

This evening when on Mob Hill I saw several gulls flying westward. Of ~~the~~ those waiting on the steamer in the slip quite a number passed over in the same direction. It was fairly dark— twilight.

One of the cormorants seen beside the mole this morning had one end of a small fish in its mouth, the other dragging in the water as the bird swam away.

December 18, 1907.
Alameda to San Francisco, Cal.
Conditions:— cold; clear; no wind; about 5:00 P.M.

The usual scattering ducks and small grebes were seen along the seawall west of 5th Street and along the mole, while offshore always on the large flocks of ducks were seen on the water.

Besides the usual abundance of Larus glaucescens on the bay and docks, and the one or two Larus californicus, several Larus canus or Larus brachyrhynchus were seen in front of the San Francisco Ferry Building. One or two were young; all were flying close to the water.

Dec. 20, 1907.

Alameda to San Francisco, Cal.
Conditions:— Cool; clear; no wind to speak of. Yesterday morning it was stormy.

Larus glaucescens follow the boats abundantly. When a ferry boat passes it is usually surrounded by numbers of these birds flying over it and on all sides of it, often sailing over it with motionless wings.

The usual ducks and grebes and an occasional cormorant were seen along the route, also an occasional gull. One cormorant was seen on the water yesterday morning close to the ferry slip on the San Francisco side.

A few Larus californicus, mostly adults, are seen, chiefly on the San Francisco side. Yesterday morning I saw one standing on the roof of a shed among a number of Larus glaucescens.

This evening and yesterday evening a few gulls were seen flying westward over the city south of California Street. On the bay at about 5:00 P. M. nowadays they are not common.

Dec. 21, 1907.

This afternoon while coming down Market Street, San Francisco, I saw a few gulls flying oceanward over the city. They seem to come from north of the Ferry Building and fly about parallel to Market Street.

Dec. 22, 1907.
Alameda, Cal.
Conditions:- About 9:30 a.m.; clear; cool; east wind.
When on Park Street near Central Ave. this morning I noted several gulls flying in a northwesterly direction over the town.

This afternoon I saw several Passer domesticus feeding in a pear tree (now leafless) near the house. They were feeding on the buds and twigs, what they were eating I do not know.

Dec. 25, 1907.
Alameda to and from San Francisco, Cal.
Conditions:- Overcast; cold; N. wind; went to city on 7:40 a.m. train, returned on 12:45 boat.

Gulls were very abundant about all of the ferry ships, along the mole an occasional gull, duck, and grebe was seen. Yesterday morning I saw near the roundhouse a flock of thirty or forty sandpipers. I also saw a Phalacrocorax dilophus close to the mole.

This morning the following species were observed. Grebes. One or two small ones along the mole. Yesterday morning I saw an Aechmophorus occidentalis. Larus philadelphia. Two near Alameda mole. Larus occidentalis. One, an adult, joined the Glaucous-winged gulls following the steamer as we neared the city. Larus argentatus. Three or four. One following the steamer with Larus glaucescens, and one or two on

on the piles with the same species on the San Francisco side.
Larus californicus. Several. One or two on piles; also following boats with Larus glaucescens.
Larus canus or Larus brachyrhynchus. About a quarter of a mile off the Ferry Building I saw two flocks of thirty or forty hovering close over the water just like petrels. They kept their wings moving all the time but did not change their position.
Larus glaucescens was of course abundant, many being on the piles when I returned, but only a few when I went over. A few on piles at Alameda Mole. Some on steamers — decks, flagpoles, etc. A good many roosting in rigging and on horizontal yard arms of the warships.
Yesterday morning I saw two flocks of ducks on the water at quite a distance from the mole. Have seen one or two Clangula clangula and scoters close to the rocks.
For two or three nights past I have noted gulls flying westward over San Francisco.
Dec. 26, 1907
Alameda to San Francisco, Cal.
Conditions: - [illegible]; raining; moderate temperature.
While going along the seawall west of Fifth St. this morning I saw a couple of adult gulls flying, one appeared to be Larus californicus, the other Larus argentatus. At a distance south of the mole I saw quite a number ducks in a flock on the water, where yesterday

there was only an occasional, but several hunters in the general vicinity. Saw cormorant in front of Ferry Bldg.

This afternoon there were a great many gulls passing westward close to the housetops near Gough and Sacramento Sts., San Francisco.

Dec. 27, 1907.

Alameda to San Francisco, Cal.

Conditions:- Overcast; morning; no wind; moderate temperature.

Off a distance to the south of the mole was a large flock of ducks on the water. Saw a cormorant emerge from the water with a fish six or seven inches long in its mouth, which it shook from side to side and seemed to toss once or twice, catching it when it struck the water.

Gulls the same as usual on the bay. Saw one young Larus glaucescens on the top of one of the after flag poles of our steamer; it sort of cackled or crowed, holding its mouth open very wide, apparently proud of its position.

Dec. 30, 1907.

~~Alame~~ San Francisco, Cal.

Conditions:- Stormy; southerly wind; raining off and on.

Gulls flying westward over the city in the morning as well as the afternoon.

Dec. 31, 1907.

Alameda to San Francisco, Cal.

Conditions: Cool; southerly wind; occasional showers.

This afternoon I observed gulls flying westward over the house at Gough Street. They were apparently Larus californicus and Larus glaucescens. I noted on the bay this morning, besides these two species, Larus canus or Larus brachyrhynchus. I saw a loon high in the air flying northwest, also one or two others during the past week.

Off the mole I saw the usual large flocks of ducks this morning.

~~Yesterday~~ The day before yesterday I saw in the vicinity of our house in Alameda the following:- Lanius ludovicianus, saw one pick up what looked to be a worm from the sidewalk and fly off with it; Dendroica auduboni, several in pear trees near house; Zonotrichia leucophrys, one immature one; Hylocichla guttata, one or two in tree and on ground.

Actodromas maculata
32, 93, 94.
Aechmophorus occidentalis
20, 29, 96, 145.
Aegialitis semipalmata
93.
Ampelis cedrorum
10,
Anous stolidus
29, 83.
Anthus pensilvanicus.
19.
Aphelocoma californica
2, 47, 61, 99.
Ardea herodias
1, 4, 8, 22, 32, 66, 71, 73, 81, 88, 90, 93, 94, 96, 104, 111.
Arenaria melanocephala.
110.
Astragalinus
78, 142.
Aythya marila
1, 8, 15.
Aythya vallisneria
1, 4, 8, 11, 12, 14, 15, 32.
Black Bird
72.
Blue-bill
9.

Bonaparte Gull
.
Booby
22.
Brachyramphus hypoleucus
99.
Brachyramphus marmoratus
99.
Buteo borealis
107.
Calidris arenaria
102.
California Gull.
114.
Canarhynchus
137.
Canvasback.
12.
Carpodacus mexicanus.
47.
Cathartes aura
40, 98, 102.
Ceophlœus columba.
99.
Ceryle alcyon.
38.
Charitonetta albeola
7, 131.
Chamæpelia

1, 12, 17, 128, 130, 131, 134, 135, 136, 138, 139, 146.
Colymbus holboellii
96.
Cormorant
3, 10, 88, 95, 101, 102, 111, 112, 115, 116, 117, 119, 121, 123, 125, 126, 127, 128, 130, 132, 133, 134, 135, 139,
142, 143, 144, 147.
Creagrus furcatus
100.
Curlew
20, 24, 29, 37, 38, 39, 44, 48, 49, 51, 52, 52a, 54, 56, 57, 58, 74, 75, 79, 80, 83, 86, 89, 91, 93, 105.
Dafila acuta
98, 101.
Dendroica auduboni
3, 137, 142, 148.
Duck
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 22, 24, 26, 27, 32, 35, 37, 39, 41, 42, 43, 46, 48, 52, 52a, 53, 55,
57, 58, 60, 72, 92, 115, 116, 117, 118, 122, 123, 124, 126, 127, 130, 131, 132, 133, 134, 135, 136, 137, 138, 140,
142, 143, 144, 145, 146, 147, 148.
Eremetes occidentalis
32.
Eremetes pusillus
93, 94.
Erismatura jamaicensis
1.
Euphagus cyanocephalus
19, 30, 47, 71, 80, 96, 103, 107, 108, 134, 137, 142.
Falco sparverius
40, 96, 102, 109, 112, 114, 118.

Finch
125.
Fulica americana
40, 102.
Fulmar
34, 46.
Georgiza
47.
Glaucous-winged Gull
130, 137, 145.
Godwit
94, 105
Golden-eye
5, 130.
Goose
130, 142.
Great Blue Heron
111.
Grebe
22, 96, 108, 120, 121, 130, 131, 132, 133, 134, 135, 136, 137, 139, 140, 142, 143, 144, 145.
Gull
1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 21, 22, 23 24, 25, 26, 27, 28, 29, 31, 33, 35, 37, 38, 40, 41, 42, 43, 44, 45, 47,
48, 49, 51, 52, 512, 54, 55, 56, 57, 58, 59, 60, 62, 65, 66, 67, 68, 72, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86,
87, 88, 89, 90, 94, 95, 96, 100, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 121,
123, 124, 125, 126, 128, 129, 130, 131, 132, 133, 134, 136, 139, 140, 141, 143, 144, 145, 146, 147, 148.
Hawk
1, 40, 104, 107, 112.
Heteractitis incanus
74

Hirundo erythrogaster
40, 71, 77.
Humming Bird
7.
Hylocichla guttata
1, 5, 148.
Jaeger
23, 100, 103, 109.
Jay
47, 99.
Junco hyemalis
99.
Lanius ludovicianus
40, 71, 148.
Larus
92, 108, 110, 113.
Larus argentatus
2, 128, 145, 146.
Larus brachyrhynchus
106, 134, 135, 141, 143, 146, 148.
Larus californicus
2, 3, 5, 6, 7, 9, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 36, 37, 38, 39, 41, 43, 45, 48, 50,
52, 51a, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 67, 68, 80, 81, 83, 84, 86, 87, 89, 90, 91, 95, 100,
103, 104, 105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 122, 123, 124, 125, 126, 127, 128,
129, 130, 132, 133, 134, 136, 137, 138, 139, 140, 143, 144, 146, 148.
Larus canus
3, 106, 134, 135, 141, 143, 146, 148.
Larus delawarensis

78, 79, 80, 81, 82, 83, 84, 89, 90, 91, 95, 105, 111.

Larus fuliginosus

21.

Larus glaucescens

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 34, 36, 37, 38, 39, 41, 43, 45,
48, 50, 51, 51a, 52a, 127, 128, 129, 130, 131, 132, 133, 134, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146,
147, 148.

Larus heermanni

69, 70, 71, 72, 73, 74, 76, 77, 78, 79, 81, 83, 84, 86, 87, 89, 90, 91, 98, 100, 105, 106, 107, 114, 117, 119.

Larus occidentalis

8, 9, 10, 36, 45, 48, 50, 53, 56, 62, 63, 64, 65, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82,
83, 84, 85, 87, 89, 90, 91, 95, 96, 100, 105, 106, 119, 138, 145.

Larus philadelphia

6, 20, 24, 29, 31, 32, 33, 34, 36, 38, 39, 40, 41, 43, 44, 46, 48, 50, 51, 52, 51a, 53, 54, 55, 56, 57, 58, 59,
60, 64, 72, 91, 92, 107, 119, 123, 125, 126, 128, 133, 135, 136, 140, 145.

Limosa fedoa

66, 67, 98, 108, 110, 113, 114.

Loon

132, 136, 138, 148.

Macrorhamphus griseus

25, 32, 93, 94.

Melospiza cinerea

1, 66, 71.

Numenius

114.

Numenius hudsonicus

32, 47, 48, 49, 50, 52, 51a, 52a, 54, 55, 66, 73, 76, 78, 80, 82, 84, 85, 86, 87, 91, 98, 102, 113.

Oceanodroma

10, 13, 30, 33, 39, 58, 60, 63, 66, 67, 78, 80, 84, 93.

Oidemia
98.
Oidemia deglandi
14, 17, 18, 22, 25, 138, 139.
Oidemia perspicillata
7, 8, 9, 11, 12, 14, 15, 16, 17, 18, 21, 24, 46.
Passer domesticus
19, 23, 25, 30, 47, 52a, 57, 58, 61, 62, 65, 67, 125, 145.
Petrel
146.
Phalacrocorax
14,
Phalacrocorax dilophus
117, 133, 142, 145.
Phalacrocorax penicillatus
98, 101.
Phalarope
51, 54.
Phalaropus lobatus
101.
Plover
88.
Puffinus creatopus
101.
Puffinus griseus
96, 98, 100.
Puffinus obscurus
98

Puffinus opisthomelas
97, 101.
Rallus obsoletus
92, 120.
River Duck
117.
Sandpiper
1, 2, 6, 14, 22, 27, 29, 32, 35, 40, 42, 44, 49, 50, 51, 52, 51a, 53, 54, 55, 56, 60, 73, 88, 93, 102, 108,
110, 113, 119, 120, 124, 136, 140, 145.
Scaup Duck
11, 12, 14, 15, 16, 17, 18, 21, 22, 24, 27, 28, 32, 35, 37, 43, 46, 49, 51a, 56.
Scoter
2, 3, 6, 7, 9, 13, 24, 26, 27, 28, 29, 35, 43, 51a, 69, 82, 115, 146.
Shearwater
98, 106, 129.
Shore Bird
14, 30, 35, 37, 39, 44, 48, 52, 60, 71, 72, 74, 75, 76, 77, 79, 81, 88, 89, 113.
Snipe
14, 28, 35, 44, 49.
Sqauntarola helvetica
93.
Squantarola squatarola
92.
Stercorarius
95.
Stercorarius parasiticus
100.
Stercorarius pomarinus
90, 99, 103, 109.

Sterna
29.
Sterna forsteri
47, 54, 109.
Sterna hirundo
100
Sterna maxima
93, 95.
Sterna paradisaea
100.
Sterna regia
19, 47, 118, 125, 134.
Swallow
32, 47.
Synthliboramphus antiquus
32, 66, 82, 88, 93, 94, 105, 114, 122.
Teal
116.
Telmatodytes palustris
93.
Tern
47, 66, 81, 109, 115, 128.
Tringa
145.
Tringa canutus
28, 32.
Turnstone
110.

Uria troile

99.

" Lotur Gull

93.

Larus sabinii

100.

Rissidura macroura.

76, 102.

Lestrichia leucophrys

1, 23, 142, 148.

Ornithological Notes

1908

Edward Winslow Gifford

Jan. 1, 1908.

Conditions:— Moderate temperature; clear; no wind.

Alameda to San Francisco, Cal. 6:40 to 7:25 A.M.

No birds were noted along the mole, it being barely light enough to see.

Half a dozen gulls joined us just after leaving the mole; one was an adult Larus californicus, the remainder Larus glaucescens, immature. Off Goat Island gulls became common about the steamer, both adult and immature birds of both the above species, chiefly Larus glaucescens, following and flying about the boat. A Larus canus or Larus brachyrhynchus followed in our wake for two or three minutes. East of Goat Island I saw a duck going south, and west of it I saw a flock of eight proceeding in the same direction.

On the San Francisco side gulls were not as common on the piles as later in the day. After getting ashore I saw several gulls flying over the city from the north.

San Francisco to San Mateo, Cal.

8:20 to 8:50 A.M.

We travelled via the Bay Shore Cut-off. After the second tunnel, which is in San Francisco gulls were common in the inlets, some sitting on posts, the others in the mud and shallow water. A small flock of sandpipers was also seen. On the return trip about 3:00 P.M. the gulls were still common, and a few were noted flying eastward over the city.

Along the shore just north of Guadalupe I saw the

small land birds flying over the water just as they do along the Alameda Mole; two or three gulls were also seen.

Near Guadalupe several ducks which dived were seen on the water; one was also noted flying.

Below South City a good many small land birds were seen at a distance on telephone and telegraph wires.

Below San Bruno Sturnella magna was fairly common, some flying.

At Millbrae I saw several Sturnella magna in meadow, and some small finches on the telegraph wires. A little below Millbrae I saw a flock of Euphagus cyanocephalus flying over the marsh; occasional birds were seen on wires.

At Burlingame a few Sturnella magna were seen. Between Burlingame & Pt. San Mateo Sturnella magna and three or four small land birds were seen. One Ardea herodias flew up two or three times from ahead of us in the marsh near the Point.

Off Pt. San Mateo about 10:00 A. M. there were quite a few ducks scattered about on the water, apparently mostly scoters. A few were seen flying northward. When flying the whistling sound made by the wings could be heard very distinctly. Several Pelecanus occidentalis were identified, one being one bird which rose from the water twice & shook itself was recognized as an Otocoris alpestris. One cormorant was also seen.

In the Eucalyptus and pine trees which clothe the Point only one small land bird was seen on the north side this morning. About noon three or four Junco hyemalis were seen in the trees, however.

About noon I noted two cormorants flying slowly

southward; a good many ducks were scattered about on the water in the vicinity, while in the distance several large flocks compactly made were seen offshore.

About 12:45 P.M. two large flocks of ducks (other than scoters) passed to the southward quite high up. Six large shore birds (plovers ?) were seen going northward. One Clangula clangula (?) and one Ardea herodias, the latter over the marsh, were also noted. A cormorant passed southward bound.

On the south side of the Point birds were ~~common~~ no more than on the shady north side, three or four small land birds and two Larus ludovicianus being seen. In the meadow to the ~~west~~ southwest a flock of Euphagus cyanocephalus, two Anthus pensilvanicus, and one Colaptes cafer were seen. The Larus ludovicianus was seen picking things up from the ~~ground~~ ground along the road.

In a tree on one of the main streets of San Mateo I saw a flock of twenty or thirty Astragalinus.

San Francisco to Alameda, Cal.

4:10 to 5:00 P.M.

Three or four immature and one mature Larus californicus were noted on the piles with Larus glaucescens (mostly immature). Some of the latter were "cackling" and "crowing," while three or four ~~young~~ broods part way across on the lower deck, picking up pieces of cracker within eight feet of people. Several Larus canus or Larus brachyrhynchus were swimming about in front of the Ferry Bldg.

Before we reached Goat Island I saw four ducks flying

south and four north. East of Goat Island I saw a dozen southward bound. Before me reached the mole a cormorant flew over the bldg. going south. Two Larus philadelphia were seen flying separately near mole.

Along the mole on the great expanse of sand a few ducks and gulls were seen near the water's edge, while I saw what looked to be two Scaup Ducks on the water, also one or two gulls and several small grebes, four bunched together.

Jan. 2, 1908.

Alameda to San Francisco, Cal.

Conditions:- Clear; moderate temperature; no wind; 7:40 to 8:25 A.M.

Off the seawall between Fifth St. and West Alameda Station I saw a loon flying; some hunters were seen but no birds on the water.

Off at a considerable distance from the mole I saw two large flocks of ducks on the water, and in closer a few straggling ducks, grebes, and gulls, and one or two cormorants.

Several Larus glaucescens were sitting on the dome of the mole where the boat comes under. Immature and adult Larus californicus and Larus glaucescens were noted all the way across, being commonest on the San Francisco side, Larus glaucescens being well in the majority. Several Larus canus or Larus brachyrhynchus were on the water in front of the Ferry Building. The usual number of gulls, nearly all Larus glaucescens, and usually common shore birds, were seen on the piles and [illegible]

Jan. 3, 1908.
Alameda to San Francisco, Cal.
Conditions:- 7:40 to 8:25 A. M.; SE wind; overcast; cool.

The tide was quite high, and in fairly close to the mole were several small grebes and ducks, among the latter Clangula clangula was recognized. Half a dozen ducks were seen flying northward high in the air.

On the San Francisco side gulls were noted the same as yesterday.

This evening when going down to the ferry a little before 5 o'clock, a few were seen flying westward over the city. An hour or so earlier they were reported as common. At about 5:05 one gull (a young Larus glaucescens) was seen on the piles at the Ferry Depot; it was then ~~about dark~~ about dusk. On the way across an occasional gull flew by the vessel, all heading westward.

This morning no gulls were seen on the ~~ferry~~ boat through Tower.

Jan. 6, 1908.
Alameda to San Francisco, Cal.
Conditions:- 7:40 to 8:25 A. M.; light wind; clear; cool.

The usual birds were ~~the same as usual~~ seen along the mole and on the bay. When going down the mole I saw two flocks of about eight scoters each, flying northwest. One flock was of Oedemia deglandi, the other of Oedemia perspicillata.

Jan. 8, 1908.
Alameda to San Francisco, Cal.

Conditions:- 7:40 to 8:25 A. M; foggy; cold; light wind.

In a slough near the roundhouse I saw a flock of forty or fifty sandpipers fly up as the train passed. I did not note anything along the mole; the fog being quite thick. [Yesterday morning, which was clear, I saw a large compact flock of ducks on the water to the south of the mole. Several ducks were seen closer to the mole which looked like Scaup ducks.]

On the bay this morning I saw nothing as I rode inside the steamer. On the San Francisco side the usual number of Larus glaucescens were seen, occasionally one in adult plumage. An occasional Larus californicus and a few Larus canus or Larus brachyrhynchus were seen in front of the ferry ships. In the evening off Goat Island I saw ~~five~~ several Larus glaucescens (immature) on the water.

Last evening about 5:00 P.M. I saw an adult Larus occidentalis in front of the Ferry Building. Yesterday morning five birds, apparently large terns, flew over the train, as it went down the mole, to the southward.

Jan. 9, 1908.

Alameda to San Francisco; cl.

Conditions: foggy on bay, but not in Alameda or along the mole; cool; light wind.

Along the mole I saw several ducks and small grebes, the latter diving as the train passed.

Larus glaucescens [illegible] Larus californicus (adult & immature) followed the steamer. On the San Francisco side there were numbers of Larus glaucescens on the piles. [illegible] were seen in front of the Ferry Bldg., also a [illegible]

[illegible] this evening about 5:15 P.M. immature Larus glaucescens flew about the bow of the steamer. When south of Goat Island a flock of ducks flew over to the northward high in the air; they appeared to be Scaup ducks.

Jan. 12, 1908.
Alameda, Cal.
Conditions:- Overcast; warm; rained during the night; no wind.

When on Park Street near Central Avenue I saw a few gulls flying over the town from the southeast. They were quite high in the air. On Central Avenue east of Versailles I saw two flocks of Eschrichtius glaucus [illegible] about twenty each in the telegraph wires. Three Ostrogalinus were seen [illegible] Larus californicus.

During the past three or four days gulls have been noted flying over San Francisco towards the ocean. [illegible] flying eastward, one in the morning, [illegible] in the early afternoon.

I saw a few sandpipers a day or two ago in a slough near the roundhouse.

Jan. 13, 1908.

Alameda to San Francisco, Cal.

Conditions:- Moderate temperature; overcast; no wind; 7:40 to 8:25 P. M.; high tide.

Two or three large flocks of ducks were on the water south of the mole. An occasional gull, duck, and small grebe were seen on quite close.

On the bay Larus californicus and Larus glaucescens were abundant and followed the boat as usual. The latter species was seen on the hurricane decks and flagstaffs.

When just east of Goat Island I saw a string of cormorants flying in the west close to the water. Two others were seen going in the same direction nearer the mole.

San Francisco to Alameda, mole, Cal.

Conditions:- Raining; south wind; moderate temperature; 4:45 to 5:05 P.M.

Larus glaucescens and Larus californicus followed the steamer fairly common, many sailing over the stern, and one Larus californicus, immature, riding on one of the after flagstaffs.

I saw a duck close in to the rocks of the mole this evening. It was too dark to see just what the species was.

Jan. 14, 1908.

During the trip [illegible] was raining [illegible] and was blowing, causing the gulls to fly faster than usual. Many followed the steamer (mostly Larus glaucescens), [illegible] recrossing over stern. Eight adult [illegible] following [illegible] occasional.

Jan. 15, 1908.
Alameda to San Francisco, Cal.
Conditions:- Cool, frosty morning; fairly clear; northerly wind.

The usual distant ducks were seen along the route.

On the bay I saw a flock of cormorants flying northwest, also two flocks of ducks, one of which turned about and circled west southward again, — by way between Yerba Buena and San Francisco.

Around a warship anchored near the ferry route there was a perfect swarm of gulls both this morning and yesterday morning. Larus californicus and Larus glaucescens followed the steamer, adult, immature birds of the latter being commonest. On the piles on the San Francisco side were great numbers of gulls, chiefly immature Larus glaucescens, many being in brown young plumage with whitish heads. Often gulls will stay on the water near the head of the slip until the steamer has nearly closed their avenue of escape, and then will fly out through the narrow space between wall of the slip and the (incoming) moving steamer.

I saw an Ardea herodias arise from the marsh west of 1st Street at a considerable distance from the train this morning.

Jan. 16, 1907.
Alameda to San Francisco, Cal.
Conditions:- Easterly wind; moderate temperature, foggy.

On the water south of the mole and south of Fifth Street Station there was the usual number of ducks too far off for identification. Yesterday morning an Oidemia deglandi flew up from quite close to the mole.

Birds inside the steamer most of the way over, but on the San Francisco side I saw considerable numbers of Larus californicus and Larus glaucescens, the latter being by far the most abundant. On the piles both species were seen, particularly young Larus glaucescens, some with whitish heads. The Larus californicus seen were mostly adults. One or two Larus Larus or Larus brachyrhynchus were seen on the water in front of the Union Ferry Co.

Jan. 17, 1908.
Alameda to San Francisco, Cal.
Conditions:— 7:40 to 8:25 a. m.; cool; overcast; light wind.

Off the sea wall west of Fifth Street Station I saw a few ducks, and on the water south of the mole a good many in large flocks on the water. Near the west end of the mole I saw a cormorant on the water; unfortunately it had a fish in its mouth from the way it was shaking its head and holding it down close to the water.

On the bay gulls were about the same as the day before yesterday. Two or three gulls were picking up refuse from under the apron of the slip on the San Francisco side as we entered it this morning.

Jan. 18, 1908.
Alameda to San Francisco, Cal.
Conditions:- 7:40 to 8:25 A. M.; SE wind; raining; moderate temperature.

On the water south of the mole I saw the usual flocks of ducks too far off to be identified. As the train passed down the mole a fine male Aristonetta valisneria paddled away from the rocks in alarm; apparently it was a wounded bird.

Larus glaucescens and Larus californicus followed the steamer in the usual proportion. Over a passing steamer I noted about fifty sailing in the air. Around a warehouse could be seen a perfect swarm of them. On the piles were quite a number of young Larus glaucescens, although not as many as yesterday morning.

In the morning I saw one gull flying over High Street Station in a southeasterly direction. During the day I noted one flying westward over the city.

Jan. 19, 1908.
Alameda to and from San Francisco, Cal.
Conditions:- 9:40 A. M. to 12:30 P. M.; overcast; southerly wind; moderate temperature.

Ducks were scarce along the mole, only one or two flocks being seen on the water south of the mole. One or two ducks were seen flying.

Gulls were abundant as usual on the bay. Quite a number of Larus canus or Larus brachyrhynchus were on the water in front of the S.P. ferry slips.

On the Alameda piles and roof of the building at the Alameda mole there were quite a number of gulls, one or two being adult Larus californicus.

The gulls on the piles were going through their usual antics. Several were on the water close beside the steamer. In swimming they use their feet alternately; when at rest on the water the feet are pendant and are not held up close to the body. I saw one gull sitting on the water make a dive for something, ducking under head first, immersing its head and neck just as I saw a fulmar do once at sea.

In Alameda I saw a few Euphagus cyanocephalus sitting on telegraph wires at the corner of Mound St. and Central Ave. this morning about 8:45 A.M., and also an occasional one flying SW over town. Two or three Sturnella magna near the round house. Passer domesticus picking things off of the linden and twigs of the plane tree near the house.

Jan. 20, 1908.

Alameda to San Francisco, Cal.

Conditions:- Moderate temperature; rainy; light wind.

Ducks were noted as usual south of the seawall and mole this morning. Gulls also appeared as usual on

the bay. I saw two flying southward over the city in the down-town district, also one going northward.

Among a flock of gulls on the water off the city I saw an adult [illegible]

Jan. 24, 1908.

Alameda to San Francisco, Cal.

Conditions:- Cold; southerly wind; overcast.

Gulls were following the steamer the same as usual. In the evening about 5:45 a few were seen in front of the S.P. ferry slips, but none on the piles, it was then almost dark.

For part two or three mornings I have seen about half a dozen gulls flying over San Francisco both east and west. One or two have also been seen flying ~~etc~~ over Alameda.

Along the mole this morning I saw two or three large flocks of ducks on the water at a distance and also one or two individuals. A fine adult male Glaucous Gull was seen close in, during as the train passed. One large flock was close up to a blind, which of course was unoccupied.

Jan. 25, 1908.

Alameda to San Francisco, Cal.

Conditions:- NE wind; cold; rainy.

Along the mole several small grebes and two or three ducks were seen quite close in, while

distance were the usual congregations of ducks on the water. It is the consensus of opinion that ducks are scarcer than usual this year. Two or three mornings ago I saw a loon flying close to the mole.

This morning there were a number of gulls flying northwest over Alameda near High Street Station; they came singly and in twos and threes.

One or two gulls were noted during the day flying over San Francisco in an easterly direction. In the evening I saw none flying over the hills, but I did several bunches, ~~flys~~ not exceeding six individuals apiece, flying westward along the bay shore which runs about out Geary Street; one or two were noted to pass over to the St. Francis Hotel. None of the birds appeared to come from south of Ferry Building.

In the morning I rode inside the steamer.

In the evening at about dusk there were a few gulls around the Ferry Building, but none in shoals or piles. One or two immature Larus glaucescens were noted. And hovering over the water near a few ~~small~~ gulls, apparently immature or Larus Brachyrhynchus.

Jan. 26, 1908.

Alameda, Cal.

Conditions:- About 7:30 A. M.; moderate temperature; NE wind; clear.

Dendroica auduboni. One or two in pear tree near house; very active; on high branches.

Passer domesticus. Common as usual. Males appear fairly common, as well as females.

Astragalinus. Noted three or four in bush in yard on Central Avenue. I was first attracted by their peculiar little call.

Euphagus cyanocephalus. I did not notice any on wires on Central Avenue as usual place. I saw two, however, feeding in grassy spot close to the sidewalk; they were very tame, allowing me to come within eight or nine feet of them. One was minus a foot, but got about with little difficulty.

Aphelocoma californica. Two.

Haywards, Cal.

Conditions:- Warm; humid; clear. Middle of day.

At Mr. Emerson's I saw the following:-

Trochilus anna. Several. Nine adult males seen; feeding in aloes; one sitting in pepper tree.

One or two Empidonax.

Mimus polyglottos. One immature one. Quite tame; was in rose bush close to window where one were sitting.

Passer domesticus. Several in bushes.

Zonotrichia leucophrys. One.

On the return trip to Alameda in the afternoon, I saw a few gulls in the canal at Park Street Bridge; one was noted as an adult herring gull.

Jan. 27, 1908.
Alameda to and from San Francisco, Cal.
Conditions:- Northerly wind; cool; partly overcast. Usual time.

This morning the birds were all at a good distance from the mole as usual, on the water. Saw two or three moderate-sized flocks of ducks on the water. They were, however, not as large as those seen last week. The gulls, ducks and grebes, close to the mole usually, were at the former stations.

Rode inside the steamer going to the city. In the evening I caught the 5:15 steamer home, it being dusk light at that time. Larus californicus and Larus glaucescens followed the steamer in considerable numbers, flying around it and over it as usual. Rode on the after deck, going inside when off Goat Island.

Along the mole I noticed only an occasional bird; it was plenty light enough to see. Tide well in.

Jan. 28, 1908.
Alameda to San Francisco, Cal.
Conditions:- Frosty; cool; northerly wind; clear; 7:40 to 8:25 A. M.

At High Street Station I noted four or five Passer domesticus sitting close together in a row on the planting gutter of a nearby house.

Along the mole three or four large distant flocks of ducks were seen on the water. Gulls of

the two common species were noted the same as usual on the bay, an occasional Larus glaucescens (young) riding on a flagstaff, although with considerable discomfort.

Jan. 29, 1908.

Alameda to and from San Francisco, Cal.

Conditions:- Overcast; cool; usual time; no wind to speak of; rained in afternoon.

In the morning several large flocks of ducks were seen on the water south of the mole, probably numbering several hundred altogether. An adult Larus californicus was seen flying eastward. I rode inside the steamer.

In the evening a good many immature Larus glaucescens and one or two immature Larus californicus were seen on the piles at the Ferry Bldg. None of the former had quite distinct whitish heads. A flock of adult Larus californicus and Larus canus or Larus brachyrhynchus flew by a couple of times and finally many of the latter stopped to pick up some refuse from the water. Few gulls came about the bows of the steamer on the way over. East of Goat Island several loons passed singly to the southward at not a very great elevation. Three or four ducks also passed in the same direction. A few ducks & 2 Ardea herodias seen along mole. Low tide.

Jan. 30, 1908.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; clear; light or no wind; usual hours.

Larus glaucescens and Larus californicus were the same as usual. Both yesterday and to-day the one or two young of the former were noted on the lower deck of the steamer on the evening, and this evening an immature bird of the latter species alighted on a boat davit.

Ducks were noted as usual along the mole.

This morning four ducks low down and two or more high up were passing north-west. This evening one or two ducks were noted proceeding South, while when east of Goat Island 8 or 10 loons in very loose formation (hardly a formation at all, merely bunched together) passed northeast high in the air.

Jan. 31, 1908.
Alameda to San Francisco, Cal.
Conditions:- Southerly wind; cool; overcast.

Ducks were not as abundant along the mole as usual, but those that were there were quite close in.

This evening I saw several gulls going westward over the city, both at the Ferry and at Gough and California Sts.

Feb. 1, 1908.
San Francisco, Cal.
Conditions:- 5:00 P. M; NE wind; raining; cold.

Larus glaucescens was very common on the piles and about the ferry slips; several adult and immature Larus californicus were seen. One immature and two adult of this last species and six of the former were on the lower deck this evening. The immature Larus glaucescens on the piles were squabbling and crowing as usual; one had an almost white head and neck, while the rest of the body was mottled brown.

Feb. 2, 1908.
Alameda to and from San Francisco, Cal.
Conditions:- Middle of day; high tide; SE wind; more or less rainy.

Ducks. A few noticed along seawall and rocks on the way over to San Francisco, although the sea was very rough. On the return trip a flock of thirty or forty came flying from the westward, alighting south of the rocks.

Larus philadelphia. One hovering above over the water south of Goat Island in the morning.

Larus glaucescens. Abundant on the San Francisco side. As usual. On the trip to the city only an occasional gull was seen until off Goat Island.

Larus californicus. A few as usual.
Larus canus or Larus leucopterus. Several on S. F. side.

Dendroica auduboni and several Passer domesticus in a pear tree near the house.

Feb. 3, 1908.

Alameda to and from San Francisco, Cal.

In the morning it was foggy and I rode inside the steamer. Several ducks, apparently Scaup Ducks, were ~~close to~~ on the water close to the mole, where they are seldom seen in clear weather during the hunting season.

In the evening I rode on the forward deck of the steamer. Larus californicus and Larus glaucescens were seen on the San Francisco waterfront as usual. When a little west of Goat Island I saw three ducks flying north high in the air, and a dozen going south close to the water.

Feb. 4, 1908.

Alameda to and from San Francisco, Cal.

Conditions:- Moderate temperature; overcast; slightly raining; light winds.

Rode inside the steamer both ways.

Along the mole this morning there were a good many ducks, a few stragglers being close in. Scoters, Scaup Ducks, Clangula clangula, and Aristonetta valisineria were recognized.

This evening a few small bunches of gulls were seen proceeding overhead over the city; observed along California St. between 4:30 and five. Apparently Larus glaucescens & Larus californicus.

Feb. 5, 1905.

Conditions:- Overcast in morning, moderate temperature; light winds.

Along the canals this morning were a good many ducks close in, scoters (both ♂s & ♀s), small bunches of Scaup Ducks and an occasional Clangula Clangula being seen. Some dived, none flew. Off at a distance there was a very large flock on the water. Several small grebes and a loon were also noted on the water.

On the exposed sand a small bunch of sandpipers was noted.

Gulls (Larus glaucescens and Larus californicus) followed the steamer as usual on the trip across.

This evening the two above species and several Larus canus or Larus brachyrhynchus were seen as usual in front of the Ferry Bldg. No gulls were noted flying over the city, although I did not keep an especial lookout on the way to the ferry.

Off east of Yerba Buena Island this evening a loon and a bunch of several Scaup Ducks apparently Fuligula marila passed to the southward. Two Scaup Ducks were seen going northward.

Feb. 6, 1908.

Alameda to and from San Francisco, Cal.

Birds were the same on the bay and along the mole as during the past two days.

Feb. 8, 1908.

Alameda to and from San Francisco, Cal.

Gulls and ducks were about the same as usual, although a strong SE wind was blowing. In the evening there did not seem to be as many ducks along the mole as usual. The following have been seen lately:- Oidemia deglandi, Oidemia perspicillata, Scaup ducks, Aristonetta valisineria, Clangula clangula.

Feb. 9, 1908.

Alameda to and from San Francisco, Cal

Conditions:- Early afternoon; cool; strong west wind.

Not as many ducks along the mole as usual. Many flying about, chiefly in flocks; sea fairly rough.

On the way over there were a good many gulls on the water south of Goat Island. Larus californicus and Larus glaucescens as usual, flying much more swiftly and gracefully than in the general case when there is little wind.

Last evening I saw several small land birds proceeding eastward along the south side of the mole, although there was a strong southeast wind blowing.

Feb. 10, 1908.

Alameda to and from San Francisco, Cal

Conditions:- Moderate temperature; clear; light west wind.

This morning there were two very large flocks of ducks on the water south of the mole, also two or three small flocks and some ~~single~~ scattering birds. An Aechmophorus occidentalis was was on the water with several ducks close to the mole.

Gulls were following the steamer both in the morning and evening. Larus californicus and Larus glaucescens as usual

Feb. 13, 1908.

Alameda to and from San Francisco, Cal.

Gulls and ducks as usual. Three or four days ago I saw two Merganser (serrator?), one a fine adult male, close to the mole, I boy splattered off a few feet, not rising & see of the water and making a great splashing with wings and feet.

This evening there were two Ardea herodias on the sand exposed beside the mole.

Feb. 15, 1908.

Alameda to and from San Francisco, Cal.

Birds were about the same as usual on the bay this fine clear day. A few Larus canus or Larus brachyrhynchus were seen as well as Larus californicus and Larus glaucescens. Many of the latter on hurricane decks of steamers. Loons and Phalacrocorax dilophus going south near mole. An Ardea herodias in shallow water by mole

Feb. 18, 1908.
Alameda to and from San Francisco, Cal.

Beautiful weather for a week. Ducks, etc. the same as usual along the route. Gulls the same on bay; a good many Larus canus or Larus brachyrhynchus in front of Ferry Bldg. to-night and last night. Last night, alas, there were two or three young Larus glaucescens and one or two young Larus californicus on the lower deck of the steamer. One last night, after several attempts, cracked a peanut in its beak, and ate the nut leaving the shell. One or two loons and Phalacrocorax dilophus seen on bay.

Feb. 19, 1908.
Alameda to San Francisco, Cal.

This morning I noted a few ducks in Lake Merritt, Scaup Ducks being remarked particularly; also a few gulls on the mud.

Feb. 22, 1908.
Alameda to and from San Francisco, Cal.
Conditions:- Moderate temperature; mostly overcast; ~~no~~ winds light.

For the past day or two gulls, mostly adult Larus californicus were very common on the exposed sand near the roundhouse. Ducks, mostly Aristonetta valisineria and Scaup Ducks are quite common, now feeding close up to the railroad track and scarcely noticing the trains. A good many ducks still seen offshore.

Larus glaucescens was abundant at both ends of the ferries and on the bay. Near each wharfship there was a large flock of gulls flying, or the water. During the trip home about 12:30 most of the gulls appeared to be about the ferries and resting on the roofs of sheds.

Feb. 26, 1908.

Alameda to and from San Francisco, Cal.

Conditions:- ~~Strong~~ ~~S~~ ~~E~~ ~~E~~ ~~E

windward. In the evening at low tide there were a number of ducks in shallow water, apparently Aristonetta valisineria and Scaup ducks. On the sand were a number of gulls. Two Ardea herodias were noted in the shallow water.

On the bay Larus glaucescens and Larus californicus still follow the steamer, and also [illegible]

Occasional Land birds are seen flying along (made over the water.

Feb. 29, 1908.

Alameda to and from San Francisco, Cal.

Conditions:- Same as yesterday.

Birds about the same. Two or three Aechmophorus occidentalis along the mole in the morning, one was seen swallowing a fish as the train passed.

This evening saw a single Scaup Duck feeding on the water in front of the Ferry Building. It did not fly as the steamers passed; perhaps it was wounded. It was very low tide, and two or three flocks of ducks were seen up on the sand in perhaps 1/2 inch of water.

Saw one Ardea herodias in the marsh this morning.

Gulls about the same, some on sand in evening; one or two Larus brachyrhynchus or Larus delawarensis off Goat Island in afternoon. Larus glaucescens and Larus californicus as yesterday.

Mar. 1, 1908.
Alameda, Cal.

I saw one or two gulls flying over the town and an adult Larus californicus flying close to the south end of Willow Street.

Mar. 4, 1908.
Alameda to and from San Francisco, Cal.

During the past three days the weather has been very changeable, raining at times, at other times clear. The temperature has been perhaps a little cool. The following species have been noted, although I have not been on the lookout particularly:—

Colymbus septentrionalis. One or two on water near mole.

Aechmophorus occidentalis. One or two a couple of mornings, on the water.

Larus californicus. Common on sand and mud flats near roundhouse at low tide. Noted also on bay.

Larus glaucescens. 3 immature birds still following ferry steamers. Considerable numbers on sheds and piles.

Scaup Ducks. Common. Along south shore and mole; in flocks and singly; males commonest and tamest, being close up to the track without showing alarm.

Aristonetta vallisneria. Both sexes quite com-

singly and in flocks on the water. Not as bold as the Scaup Ducks.

Œdemia deglandi. Occasional on water beside mole.

Ardea herodias. Yesterday morning I saw two flying about erratically over the marsh west of First Street, the second bird apparently pursuing the first.

Passer domesticus. Common all over town as usual.

Zonotrichia leucophrys. Saw a large flock feeding in back yard Sunday. Saw two or three in tree with flock of Passer domesticus this evening.

Dendroica audubonii. Occasional birds about palace in pear trees.

Mar. 5, 1908.

Alameda to and from San Francisco, Cal.

Conditions:— Cool; rainy.

Several flocks of ducks (apparently mostly Scaup Ducks and Aristonetta vallisneria) were seen on the water south of the mole and seawall. Three Clangula clangula flew up as the train swung around the curve between Fifth St. and West Alameda Station this morning. On the land about 30 yards from the track three three ducks standing asleep with heads thrown over the shoulder and down under the wing.

This evening at Alameda there were considerable numbers of gulls and ducks on the sand near

the roundhouse.

In the morning I saw three or four Larus californicus flying eastward over Alameda. Later saw three or four of this species flying eastward along the mole, and one or two Rhinonetta accidentalis were seen.

Mar. 7, 1904.

Alameda to and from San Francisco, Cal.

Conditions:- Warm; clear; moderate to strong W.

Birds about the same the past two days:- The usual ducks and gulls were seen; Larus occidentalis seems to be becoming scarcer on the bay. This morning I saw a Colymbus septentrionalis within a foot or two of the rocks of the mole; it did not dive as the train passed.

Yesterday I saw one male Nettion carolinensis and two Querquedula discors (a male and a female) asleep on a rock on the shore of Alvord Lake at the Haight Street entrance of Golden Gate Park. On the same bond were several Larus glaucescens and Larus californicus.

In Stow Lake in the park I saw the following California birds, all successively tame, the first species coming within a foot or two of me to pick up bread thrown on the water:- Branta canadensis, Chaen albifrons, Chen hyperborea (one only), Anas boschas, Marecca americana (one only), Fuligula marila, Fuligula affinis.

Mar. 11, 1908.
Alameda to and from San Francisco, Cal.
Conditions:- Clear; clear; light winds. High tide 11 A.M.

Colymbus septentrionalis. One close to the mole de train passed.

Loon. One between Goat Island and Alameda.

Larus californicus. Some not on the ocean yet. Can only see two or three.

Larus glaucescens. Quite common on the old sheds near Ferry Bldg., S. F., but not where seen in thick bunches at the height of the season.

*Edemia perspicillata. Two or three a morning or so ago.

Aristonetta valisineria. Several along with considerable numbers of Scaup Ducks close to the mole. Both ducks and drakes are seen.

Scaup Ducks. Common. (apparently Fuligula marila). Females are very scarce. Considerable numbers keep close to the causeway, feeding and sleeping, in spite of passing trains.

This evening I saw a large flock of Ducks rising from the water south of the mole.

Mar. 13, 1908.
Alameda to and from San Francisco, Cal.
The weather is still ideal.

One or two Clangula clangula have been about the mole and the bay, in addition to the numerous Bucephala albeola and Glaucionetta islandica on the south side of the mole.

This morning I saw a large flock of Larus glaucescens hovering over the water in front of the Ferry Building. Two Larus canus and Larus brachyrhynchus were seen at a distance on the bay. Two adult Larus glaucescens were seen settled on the water this morning. Several California Gulls were also seen. Once a command was flying.

Mar. 17, 1908.

Alameda to and from San Francisco, Cal.

The weather is still warm and delightful.

Along the mole in the morning I noticed considerable numbers of ducks, chiefly Scaup ducks, the males being Clangula clangula americana (males and females) and Aythya marila nearctica (males and females). In the evening the tide was low, and gulls, ducks, and coots were feeding on the mud flats. In the morning I saw a Lophodytes cucullatus flying in a northwesterly direction over Alameda. Larus glaucescens (immature) and a few Larus californicus are seen about the piers and buildings on the San Francisco side. I observed a young Larus californicus standing on the pile this morning. It had several young Larus glaucescens.

March 18, 1908.
Alameda to and from San Francisco, Cal.
Fine weather continues.
Last evening as the steamer was approaching the mole, three cormorants flew by bound southeast.
This morning I saw ~~four~~ three flying westward over the Alameda; they were quite high above the water tops. Three gulls were also seen during the passage.
Other birds were noted the same as heretofore.

In the evening I saw five (Edwinia pusilla ?) flying northward to the mole from Alameda Mole and Goat Island.
March 20, 1908.
Alameda to and from San Francisco, Cal.
The weather is still foggy, although this morning it was a little foggy.
Noted in the morning and evening three considerable numbers of ducks (mostly Scaup Ducks and Aristonetta vallisneria) and Larus californicus on the sand and shallows [illegible] the tide being out quite a ways. In the morning one Ardea herodias was standing in the water close to the mole, so fast so close that the fine crest could be seen on its head.
This evening as the steamer was passing up the mole I saw several cormorants passing

south.

Yesterday and to-day I saw a pair of high-plumaged Dendroica auduboni in a pine tree in the back yard.

March 24, 1908.

Alameda to and from San Francisco, Cal.

The weather still remains pleasant, although the wind has been rather northerly and the temperature low.

The chief ducks on the water along the mole this morning were Scaup ducks. Two species were represented, one having come on the ebb and passed near the roundhouse.

On the bay this morning and on the piles on the San Francisco side were numerous immature Larus glaucescens. A few gulls still follow the steamers. Ducks are decreasing in numbers along the mole.

March 29, 1908.

Alameda to and from San Francisco, Cal.

Conditions:- Clear; northwest wind; moderate temperature.

Few ducks were noted along the mole, while on the sand exposed by the tide there were considerable numbers of gulls. A number of Larus californicus and Larus glaucescens followed the steamer over, the latter being all young birds.

In Stow Lake, Golden Gate Park, I noted Anas rubripes and Spatula clypeata in addition to the species noted last visit.

April 1, 1908.
Alameda to and from San Francisco, Cal.

Birds are about the same as the last account. To-day I noted a flock of ten or twelve scaups going [illegible] for the past three or four days I have noted [illegible] scaups.

This evening at home a few Pygiscus were [illegible] for the marshes.

April 2, 1908.
Alameda to and from San Francisco, Cal.
Conditions:- Warm; NW wind; clear.

This morning at low tide there were considerable numbers of gulls on the sand and in the shallow water, [illegible] Few ducks, however, were seen. Of those at a distance, one Œdemia perspicillata was recognized on the water, while close to the rocks were three or four fine adult male Scaup ducks.

Larus californicus and Larus glaucescens are still fairly common on the bay. I noticed quite a number of the former on the water off Goat Island this morning. Several of the latter were taking a ride on the harmonica deck of the steamer Piedmont, westward bound.

This evening on the sand near Fifth St. I noted three Larus philadelphia along with other gulls. Ardea herodias near rocks

April 3, 1908.

Alameda to and from San Francisco, Cal.

Birds were about the same as yesterday, with the addition of several curlew on the sand exposed near the mole.

Apr. 10, 1908.

Alameda to and from San Francisco, Cal.

Weather still pleasant; no rain.

Gulls about the same as a week ago except for an occasional Larus philadelphia.

Along the mole are a few Sanderlings mostly molted, and an occasional Edwinia daylandi.

Apr. 11, 1908.

I noted the first Hirundo erythrogaster of the season fly over our yard this morning while I was feeding the pigeons. Zonotrichia leucophrys is very common now, always feeding with Passer domesticus in the pigeon feed, devouring the feed that falls to the ground.

Apr. 13, 1908.

This evening [illegible], a flock of shore birds, apparently Snipe, passed over swiftly to the east. The line was perhaps three or four birds deep. They were heading obliquely downwards as though for the mudflats of San Leandro Bay.

April 14, 1908.

Alameda to and from San Francisco, Cal.

Conditions:- Cool; S.W. wind; overcast.

I rode inside the steamer both ways, noting two or three

distant gulls and a tern.

On the water south of the mole several Scaup ducks and one or two scoters were seen. On the mud flat west of Government Island a few curlew this morning, and on the mud bit of land opposed ~~to the~~ near the roundhouse there were several gulls, marlins or godwit, and sandpipers. In the evening more ducks were exposed and more birds seen.

On the south shore of Alameda near 5th st. this evening I saw a flock of at least a hundred ~~Hud~~ Long curlew or Marlin-hawk-plovers as we call them. They appeared quite red as they rose from the mud. Other shore birds and gulls were noted also in much smaller numbers.

April 15, 1908.

I noted a Zonotrichia coronata in the yard this morning. It was eating young lettuce.

April 17, 1908.

Alameda to and from San Francisco, Cal.

Conditions:- Warm; westerly wind; clear.

San Francisco. ~~Several~~ Quite a few on the bay and on the exposed flats along the Alameda shore. Several on the flats on the San Francisco side.

Shore birds. Curlew or godwit, snipe, and sandpipers were very common along the shores.

Ducks. Several Scaup Ducks and Oidemia deglandi along the mole. When west of West Island this morning six of these latter passed us going east.

April 19, 1908.
Alameda, Cal.

This morning about 7 o'clock, I went down to the foot of Brigg's Avenue. The tide was very low and the mud covered with thousands of small sand-pipers. Several curlew passed.

It is a common thing to see small flocks of shore birds passing over this end of town.

I saw another Zonotrichia coronata in the yards. Very few Zonotrichia leucophrys about.

April 20, 1908.
Alameda to and from San Francisco, Cal.
Conditions:- Overcast; moderate temperature; southerly wind.

Larus philadelphia. Three or four black-headed ones flying southward on the bay this morning when we were east of Goat Island.

Larus californicus. Quite common on sand near the mole and on the bay. 10 or 12 adult Larus occidentalis also.

Larus glaucescens. Several on piles on bay. Five or six adult; all immature. I saw a medium bird on the water, day before yesterday.

Shore birds. Large numbers of snipe and sand-pipers, and a few curlew (?) on exposed mud and sand along the Alameda shore.

Ardea herodias. One in shallow water near the mole.

April 22, 1908.

San Leandro Bay, Alameda Co., Cal.

Conditions:- Time, 6:30 a.m. to 2:30 P.M.; except for a light shower in the afternoon, it was warm and pleasant although somewhat overcast; southwesterly wind.

Shore birds were abundant in San Leandro Bay and San Leandro slough, also in the deep slough south of the old S.P.C.R.R. trestle. Common. The tide was below the mean low water at about 11:00 a.m.

No rails were seen or heard.

I saw a large grebe in the deep slough south of the railroad track; apparently Aechmophorus occidentalis.

Sterna forsteri. Quite a few were calling. Some with entire black caps, others intermediate. One shot had but few feathers on its head and was apparently moulting. Saw one or two dive.

Larus philadelphia. Several, mostly black-headed, in San Leandro Bay.

Larus glaucescens(?). A large immature gull on the mud, near mouth of San Leandro slough.

Squatarola helvetica. Several, black-bellied and white. I shot one of the latter. Very wary as usual. Calling.

Aegialeus semipalmatus. Quite a number. Occasionally one would call. They go singly or in twos and threes and not in large flocks.

Tringa pusilla. A good many of this species in flocks of varying size, noted chiefly in the deep slough.

Ereunetes mauri. Very common or rather abun-

dant, noted chiefly in San Leandro Slough. There were great numbers of sandpipers on the mud in San Leandro Bay, probably both this and the last species.

No Tringa canutus.

Macrorhamphus griseus. Very common on mud of sloughs and bay. With few exceptions all were in quite ruddy plumage. Both these and the sandpipers were usually tame and easy of approach, although occasionally a flock would take alarm before the proper range was reached. The dowitcher runs to its bill vertically and easily into the soft mud, but often when pulling it out it does so with a jerky motion, and in such cases a long worm would appear, half in the bird's bill half in the mud. With one or two more jerks the unfortunate creature out and is quickly swallowed, and the search begins again.

Pelidna alpina. Several with dark bellies. Feeding with other sandpipers and singly.

Limosa fedoa. One or two in San Leandro Slough.

Symphemia semipalmata. Three or four.

Numenius hudsonicus. Very common, chiefly in the marsh grass. Noisy, calling when flying or flushed.

Ardea herodias. Four or five. Scary.

Nycticorax nycticorax. One flying up San Leandro Slough.

~~Clethrio~~ Aythya marila. Several. One female only. Quite wild.

Clangula clangula. A flock of several flew over

a female from which pr was taken.

Clangula clangula. One or two in deep slough.

Erismatura jamaicensis. Two or three in deep slough in high plumage.

Agelaius phoeniceus. Three or four in marsh, singing.

Hirundo erythrogaster. Four or five flying over sloughs

[illegible] a week ago, I saw a couple of young barn
domesticus fresh from a nest; they were like a tree on
Brigg Avenue.

The Tristoretta rubinerva was quite tame, while the three Fuligula marila taken were, tame, as was also the Symiatorola hebridica in white plumage.

Apr. 23, 1908.
Alameda, Cal.

This morning I saw three Nycticorax nycticorax flying westward over the town.

April 24, 1908.
Alameda to San Francisco, Cal.
Conditions:- Morning; overcast; moderate temperature; high tide.

On the marsh west of First Street I saw a number of Numenius hudsonicus, sandpipers including black-bellied Pelidna alpina, and one or two Aegialeus semipalmatus.

On the bay I noted a goodly number of Larus californicus.

This evening I saw a Dendroica aestiva collecting nesting material on the ground in our yard and taking it to a pear tree next door. Several Nycticorax nycticorax pa

3717; Pelidna alpina; ♀ Alameda, Cal; Apr. 22, 1908; C.A.S. No.
3718; Aegialeus semipalmatus ♂ " " " " " C A S No
3719; Ereunetes pusillus ♀ " " " " " C A S No
3720; Macrorhamphus griseus ♀ " " " " " C A S No
3721; " " ♂ " " " " " C A S No
3722; Squatarola helvetica ♂ " " " " " C A S No
3723; Macrorhamphus griseus ♀ " " " " " C A S No
3724; " " ♀ " " " " " C A S No
3725; Limonites minutilla ♀ " " " " " C A S No
3726; " " ♀ " " " " " C A S No
3727; Aristonetta valisneria ♀ " " " " " C A S No
3728; Fuligula marila ♂ " " " " " C A S No
3729; " " ♀ " " " " " C A S No
3730; " " ♂ " " " " " C A S No
3731; Numenius hudsonicus ♂ " " " " " C A S No
3732; Tringa minutilla ♂ " " " " " C A S No

April 29, 1908.
San Leandro Bay, Alameda Co., Cal.
Conditions:- Clear; warm; west wind beginning about 10:00 A.M.; tide high at noon. 6:30 A.M. to 2:45 P.M.

I first went up Melrose slough, then up Lamon's, from there through the cut-off to San Leandro slough and from there home.

While in Melrose slough I met a number of birds came over from the Alameda shore as the tide rose. Then as the water covered the flats of Melrose slough, numbers of sandpipers

were seen flying towards the higher flats in the northeast corner of Damon's slough. Finally, as the tide was creeping up and the mud showed, there were ~~considerable~~ large numbers of curlew (Numenius hudsonicus) and a few of the various other shore birds on the marshes proper. The great majority of snipe and sandpipers, however, had disappeared.

Two distant flying Fuligula marila were seen, but no other ducks were observed. No Iringa canutus yet.

The following species were observed:-

Sterna forsteri. Several shot, two of which did not have entire black caps, while the others did. Most all were calling, occasionally one pursuing another. Noted two pursuing a third which had something in its mouth. When doing this they fly with beautiful, long, graceful wing sweeps. Some were observed diving from about twenty feet above the water. They were seen over the marsh, sloughs, and bay.

Larus philadelphia. Two or three at a distance on the bay this afternoon.

Larus californicus. Saw two or three immature birds while up the San Leandro slough.

Squatarola helvetica. Several, both in summer and winter plumage. Wary. Give an occasional note when flying. In fact all the shore birds

observed to-day, except perhaps the sandpipers, could be distinguished by their cry.

Aegialeus semipalmatus. Quite a few.

Pelidna alpina. Quite a few. Black-bellied.

Ereunetes pusillus. Hundreds. All the small sandpipers shot, with the exception of one were of this species. On the flats of San Leandro Bay and Melrose slough there were myriads of sandpipers this morning, probably both this and the next species. Once in a while a large swarm of them would arise and wheel about in the air, showing ~~first one~~ white then dark as they swung.

Limonites minutilla. Only one taken, was with Ereunetes pusillus when shot.

Macrorhamphus griseus. Common, but not as many as a week ago. All fed. Two calls.

Limosa fedoa. About a dozen.

Symphemia semipalmata. About a dozen.

Numenius hudsonicus. Very common, feeding mostly on the marsh. Usually where a flock is feeding there will be lookout posted who gives his noisy warning at the approach of man. They have at least two calls, one a call of warning, consisting of several connected notes in quick succession, also given often when a flock is flying high. The other is sort of a long purring call given as a flock settles to the marsh.

Ardea herodias. Three or four in shallow water of bay at low tide. I noted one secure a fish, getting its head quite close to the water before striking.

Nycticorax nycticorax. Three or four feeding on marsh with curlew. Noted four or five flying southeast over marsh.

Cistothorus palustris. I noted one on blade of marsh grass, singing loudly.

Passerculus princeps. Several in marsh, males singing, and with very bright wing patches. I scratched in one place for a nest, but found none, although two or three pairs of birds were about.

When the tide began to fall, the narrow strip of mud became occupied by every hungry shore bird as fast as they were exposed. The birds seem to come out of nowhere, just as when the tide rises they seem to melt away.

3733 Pisidna alpina ♂ Alameda, Cal., Apr. 29, 1908; C. D. S. No.
3734 Macrorhamphus griseus ♀ " " " " " & A S No
3735 Limosa fedoa ♀ " " " " " & A S No
3736 Symphemia semipalmata ♀ " " " " " & A S No
3737 " " ♀ " " " " " & A S No
3738 Sterna forsteri ♂ " " " " " & A S No
3739 Ereunetes pusillus ♀ " " " " " & A S No
3740 " " ♂ " " " " " & A S No
3741 Numenius hudsonicus ♀ " " " " " & A S No
3742 Ereunetes pusillus ♂ " " " " " & A S No

3743 Crocuta pusillus ♂ Alameda, Cal., Apr. 29, 1908; C. A.S. No.
3744 " " ♀ " " " " " " C A S No.
3745 " " ♂ " " " " " " C A S No.
3746 " " ♂ " " " " " " C A S No.
3747 " " ♀ " " " " " " C A S No.
3748 " " ♀ " " " " " " C A S No

May 1, 1908.

This morning when going to San Francisco I saw three or four Edwardi Aeglandi on the water off the mole. One rose right to flap its wings thus showing plain [illegible] marking.

There were quite a number of Numenius hudsonicus on the sand near the seawall and along the mole this morning. Also numbers of sandpipers. Out near the water's edge near the roundhouse there was quite a flock of Larus californicus bunch together on the sand.

This evening about 8:30 when walking along High St., Alameda, in the rain, I heard several Dryptes semipalmata (?) passing over.

I saw an adult Larus occidentalis off the Ferry Building.

May 3, 1908.

Vicinity of Leona Heights, Alameda Co., Cal.

In a dead oak tree 200 or 300 ft. above the station we found the nest of a pair of Colaptes cafer with

one fresh egg. It was about 15 feet from the ground, and the hole about 15 inches deep. There was considerable wood on the ground which had been dug out by the birds, one piece of which by the nest as we approached the tree.

A couple of feet below was another hole of the same depth from which a Megascops asio was extracted. Two incubated eggs were found on the soft bottom of dead wood, etc.

Hedymeles melanocephala, Psaltriparus minimus, Cyanospyza amoena, and 3 or 4 distant hawks were seen in this region. Agelaius phoeniceus was observed about a deep swamp east of Loma Heights.

At low tide this morning at the foot of Briggs Avenue I observed one Numenius hudsonicus, hundreds of sandpipers, two distant Ardea herodias, and one Nycticorax nycticorax in flight.

May 12, 1908.

Alameda to and from San Francisco, Cal.

Immature Larus californicus are common on the bay and on the exposed sand near the roundhouse at low tide.

Two or three days ago there were quite a number of terns (apparently Sterna forsteri) along the mole. Quite a few shore birds, both large and small are also to be seen.

May 18, 1908.
Alameda to and from San Francisco, Cal.
in the morning.

In the great expanse of mud exposed along the mole this morning I noted only a few birds of any kind. [illegible] on the mole and flying. They were in [illegible]

When just off the Ferry Bldg. in the morning two flocks of small fish(?) of about 20 birds each passed in front of us, headed south.

May 20, 1908.
San Leandro Bay, Alameda Co., Cal.
Conditions:- Clear; westerly wind blowing up about 9:00 A.M. Sailing [illegible]; returned - 7:00 P.M. and returned at 1:00 P.M., the tide being very low about 11:00 o'clock. First [illegible] - 7:00 A.M. [illegible] the more birds having left.

Here [illegible]. When in the mouth of Melrose Slough two very large [illegible] Black-billed Dowitcher were [illegible] in the [illegible].

Here [illegible] Curlew. [illegible] Long-billed Curlew [illegible] with [illegible] the bay. About half the bird were Dowitcher with black caps and [illegible] the Curlew. The Curlew [illegible]

20, 1908; b. a. s. No.

b a s No

May 24, 1908.
Vicinity of Alameda, Cal.
Conditions:- Warm; clear; before 7:30 A. M.; no wind.

Between the Alameda and the Bay Farm Island shore I saw several Sterna forsteri, two large terns (Sterna ~~regia~~ maxima ?), several Larus philadelphia, and one Atychomphorus occidentalis, the last being in the water. Over the Bay Farm Island shore I saw a Tringoides macularius; it kept bobbing up and down.

Two or three Ardea herodias and Nycticorax nycticorax were seen.

May 27, 1908.
San Leandro Bay and Slough, Alameda Co., Cal.
Conditions:- Warm; clear; northerly wind; 7:00 A. M. to 12:00 M.

Down up San Leandro Slough to fresh water. In the upper part of the slough there were no water birds. The tracks of an Ardea herodias were seen however. The upper part of the slough has steep banks and is bordered with grain fields. Storks Quiscalus quiscalus vrichi were seen. Plegadis guarauna (?) were fairly common. Over one of the bridges across the fresh water slough a nest of Hirundo erythrogastra containing three eggs. The parent was flushed. The nest was built of mud and straw, lined with feathers and grass and placed in the usual position and of the usual shape. Melospiza cinerea was noted in the salt marsh.

Over the marsh and on San Leandro Bay the following species were observed. Tide flooding.

Sterna forsteri. ~~Sterna~~ A few: calling. Saw one with a fish in its mouth being pursued.

Numenius hudsonicus. Two or three.

Limosa fedoa. About 100. Great variation in bills. ~~Most~~ Taken not in high plumage.

Macrorhamphus griseus. Three in winter plumage. One which was taken had pieces of a crab in its throat. small sexual organs.

Tringa couesius. One pair and one. Saw a flock of about a dozen.

Pelidna alpina. Three with black underparts.

Nyctiocorax nycticorax ~~Several~~ three or four flying.

Ardea herodias. Several.

3753 Zenaidura carolinensis; ♀; W. San Leandro, Cal.; May 27, 1908; L.A.S. No.

3754 Macrorhamphus griseus; ♀ Alameda, Cal.; " " " L.A.S. No

3755 " " ♀ " " " " " L.A.S. No

3756 Limosa fedoa; ♀ " " " " " L.A.S. No

May 31, 1908.

Alameda, Cal.

Went out in a boat along the north shore of Bay Farm Island west of the bridge. Low tide.

Saw one sandpiper on the mud; three Limosa fedoa flying, several Sterna forsteri flying and calling and occasionally pursuing one another with mock fury, and three or four Larus philadelphia on the sand.

June 3, 1908.

Alameda, Cal.

Conditions:- South of Alameda; forenoon; light wind; low tide; warm.

Very few birds were seen. The following were noted:
Sterna forsteri. Four or five. One flying with a fish in its mouth. Some calling.
Larus philadelphia. Several on sand on Alameda shore, flying about from post to post.
Limosa fedoa. Five flew by very excitedly and swiftly, each one darting about by itself.
Ardea herodias. Three or four fishing. Shy.
Nycticorax nycticorax. Three. One feeding on mud.
Hawk? A large hawk or a vulture circling over the east end of Alameda.
Larus californicus. Half a dozen flying.

June 5, 1908.
Alameda to and from San Francisco, Cal.

Along the mole nowadays, occasional Ardea herodias and Nycticorax nycticorax are about the only birds seen. On the bay a few immature Larus ~~and~~ californicus and several adult Larus occidentalis are seen.

This evening near Bay Farm Island bridge I saw eight terns moving northward high in the air. Calling. Three or four of them looked larger than Sterna forsteri.

Mr. Loomis says that on the Sausalito ferry route Larus occidentalis now the principal gull seen.

June 6, 1908.

Alameda to and from San Francisco, Cal.
Conditions: Westerly wind; cool; clear.

On the beach near the roundhouse this morning there were thirty or so gulls (apparently immature Larus californicus) and a dozen or so more came sailing in from the westward as the train passed.

On the evening about the Ferry Bldg. in San Francisco, most of the birds were adult Larus occidentalis, very few Larus californicus being seen. On the roof of the first shed south of the Ferries there were a good many of the former species.

June 10, 1908.
San Leandro Bay, Alameda Co., Cal.
Conditions:- Overcast; cool; westerly wind; forenoon; tide high about 9:30 A. M.

I went about half a mile up San Leandro slough and then worked in the small sloughs between that and the old S. P. R. R. tracks looking for rails and sparrows, etc., but found none, although Melospiza cinerea was very common. At the first glance one would mistake it for a black rail as it is seen along the mud and quickly disappears under some small overhanging bank.

Of water birds I saw the following:-
Sterna forsteri. Quite a few, some in full breeding plumage, others immature, etc. On mud bank up slough.
Larus philadelphia. Quite a few, flying in compact flocks until the time I began shooting. I think

they were also on the mud banks with the terns. They were nearly all immature and in worn plumage, some having black feathers coming in on the head. I saw one black-headed adult only.

Numenius hudsonicus. One.

Shore birds. I saw several other shore birds. Two or three were large, apparently curlew or godwit. Three or four appeared to be either knots or dowitchers, while three or four others appeared to be Tringa solitaria, in fact I think I heard this last species call. All were quite distant; some unidentified.

Ardea herodias. Three or four. Wary. Flying when approached, uttering the usual harsh croaks of alarm when flying.

Nycticorax nycticorax. Two or three flying by light in an arm of the bay.

Euphagus cyanocephalus. Several on lawns in Alameda.

3757 Larus philadelphia ♂ Alameda, Cal.; June 10, 1908. C. A. S. No.
3758 Sterna forsteri ♀ " " " " " C. A. S. No.
3759 Larus philadelphia ♀ " " " " " C. A. S. No.
3760 " " ♀ " " " " " C. A. S. No.
3761 " " ♀ " " " " " C. A. S. No.

June 14, 1908.

In the yard next door two or three Icterus bullocki in a pear tree this afternoon late.

On the south side of Bay Farm Island to-day

a Tulica americana was seen sitting on the edge of the beach. As I approached it flew off over the water. Several flocks of large gulls numbering from four to fifteen or twenty were moving westward chiefly in the morning. They flew over the water heading into a strong westerly wind.

The following land birds were seen:

1. Melospiza fallax.
2. Carpodacus mexicanus.
3. Passer domesticus.
4. Sayornis nigricans.
5. Hirundo erythrogastra
6. Petrochelidon lunifrons (?)

June 17, 1908.
San Leandro Bay, Alameda Co., Cal.
Conditions:- Strong southwesterly wind; warm; afternoon.

I went a good ways up McNear Slough to the tide being quite high. No birds were seen there.

On San Leandro Bay I saw a dozen terns, apparently Sterna forsteri, some diving in canal. Two or three Nycticorax nycticorax flew over.

June 20, 1908.
Alameda to and from San Francisco, Cal.

Along the Alameda shore at low tide Ardea herodias, Nycticorax nycticorax, and a few gulls are to be seen.

June 21, 1908.

When near Alameda wade about noon to-day, I saw seven or eight Eugenes flying north in flock.

July 16, 1908.

Larus occidentalis and Larus heermanni are the gulls noted on the bay now.

July 20, 1908.

Adult Larus occidentalis are the gulls most seen on the Alameda Ferry route now. They do not follow the steamers, nor are they abundant. Occasional Larus heermanni are seen. Along the south shore of Alameda and along the north occasional Nycticorax nycticorax and Ardea herodias are seen.

July 25, 1908.

[illegible] a few [illegible] gulls, mostly immature californicus. One or two Ardea herodias were also present.

On the bay proper occidentalis and heermanni were seen, although not abundant. Occasional immature individuals of Larus californicus were seen this morning.

[illegible] flew over the house [illegible] called as it headed west. [illegible] the species although it was not [illegible].

July 28, 1908.

This morning noted one or two Larus occidentalis off Goat Island. They flew as the steamer approached.

August 4, 1908.

Came to ... San Francisco, Cal.

Overcast; moderate temperature; westerly wind.

On the sand near the roundhouse and in the ballast pits there were a number of [illegible] recognized [illegible] occidentalis), and a few [illegible] Larodias, and a few [illegible] birds, apparently Numenius hudsonicus.

Both in the morning and evening a Heteractitis incanus flew out from the rocks of the mole as the train passed.

On the bay I saw several [illegible] Larus occidentalis.

Sept. 19, 1908.

San Francisco to [illegible]

[illegible]; moderate temperature; [illegible] wind; about 5:15 P.M. [illegible] came across [illegible] boat, [illegible] Larus occidentalis, one mature and adult, the latter with streaked heads were seen. Several (?) the latter made occasional [illegible] towards the [illegible] steamer. Some were [illegible] very high.

During the past month I have noted as many as a dozen or [illegible] Ardea herodias in the [illegible] the roundhouse at one time. Gulls have also been very abundant [illegible] usually they were too distant to determine

- 8:40 A.M.

about at this morning I saw a Strix pratincola flying Jones & Sacramento Sts., San Francisco.

September 20, 1908.

This evening while in my back yard I saw a [illegible] the mandarin ducks in the aviary [illegible] their heads to one side and look up at it.

September 28, 1908.

This evening there were a dozen or more [illegible] in the [illegible] the breakwater. On the beach there were several hundred gulls. In the morning they are usually facing the rising sun; in the evening they are usually facing westward. [illegible] heermanni and a number of [illegible] During the past week there were also sandpipers near the roundhouse.

October 2, 1908.

While going to San Francisco, on the [illegible] with a strong north wind blowing I noticed three scoters flying northward close to the water. Several [illegible] were also seen.

During the past few days I have noticed [illegible] gulls southeast along the Alameda shore in the morning. Like [illegible] in the morning most of the birds are seen [illegible]

October 7, 1908.

This morning I saw a [illegible] Anas americana on the water near the sea wall west of 6th Street. While the [illegible] I saw a small flock of [illegible] on the water [illegible] off. [illegible] from the [illegible] and the [illegible]

[illegible] the ferry slip on the San Francisco [illegible] morning. Counted a good many Larus californicus.

Oct. 12, 1908.

Saw a flock of about 12 Anas platyrhynchos [illegible] northwest this morning when between Oakland and San Francisco.

Oct. 15, 1908.

Saw [illegible] no ducks along the north inlet. Gulls, apparently chiefly Larus californicus are common, especially on the mud at low tide.

3762; Serpula zonata; Alameda, Cal. (aviary); Oct. 14, 1908; [illegible] no. 91. [illegible] Oct. 7, 1908.

Strong north wind; clear.

This morning [illegible] flocks of ducks over the bay high in the air, southward bound.

Larus heermanni and Larus californicus observed on the bay. Saw a [illegible] kleptoparasitic pursuing an adult Larus californicus for a short distance; the latter seemed to have the better finish, the speeds, each going its own way.

Oct. 19, 1908.

This evening I noted one or two Larus heermanni on the bay, and quite a number [illegible]; the adults of this latter species now have speckled heads.

[illegible]

A few were [illegible]

[illegible]

herodias. [illegible] on bright, the tide being high.

Oct. 21, 1908.

This morning there was a strong north wind blowing, along the mole I saw several Larus californicus flying. Cormorants were also seen on the bay. On the bay [illegible] flocks of ducks, apparently scoters, were seen flying over the [illegible]. Ardea occidentalis [illegible] by the [illegible].

Oct. 23, 1908.

This morning I saw a flock of about twenty-five ducks on the water off the mole. A small grebe was also seen.

Oct. 24, 1908.

This evening at dusk I saw ten Ardea herodias in the shallow water beside the mole — low tide.

Oct. 26, 1908.

This morning I saw ~~a few birds~~ on the right near the breakwater, although the tide was not always. On the water, ~~several~~, about a few gulls.

On the bay Larus californicus and one or two Larus heermanni were noted. Over off Goat Island a flock of about a dozen small gulls, probably ~~Bonaparte's~~ Philadelphia, passed ~~westward~~. A flock of eight or ten ~~Forster's~~ terns, probably Sterna forsteri, passed the same way. ~~Many~~ ~~were fishing close to the water.~~

This evening I counted eleven Ardea herodias in the shallow water by the mole.

Oct. 27, 1908.

This morning I saw ~~a~~ several Ardea herodias in the water south of the mole; one was also seen sitting on an old duck blind. Several grebes were also seen.

This evening when southwest of Goat Island I saw several Larus heermanni following in the wake of a westbound steamer; they were well astern of her.

Oct. 29, 1908.

This morning several small grebes were seen on the water along the mole.

Saw ~~nothing~~ inside the steamer, but saw several adult Larus heermanni pass close by as we neared the San Francisco shore.

Nov. 2, 1908.

This morning while crossing the bay in a boat I saw a flock of about 7 ducks get up off the water and flew a short distance. They looked like some ducks - perhaps Dafila acuta - and were apparently lost. A Pelecanus californicus was seen.

Nov. 3, 1908.

Alameda on San Leandro Bay at about 4:30 P.M. saw about a good many Mallards (Anas boschas) flying south over the bay. They were about sixty feet in the air. The sky was clear.

Nov. 6, 1908.

This evening while returning home I saw one or two Larus Kermanii and several immature Larus californicus on the bay. Just at dark while going up the road - saw - two or three pairs of Bubo in the Eucalyptus trees - characteristic pose.

Nov. 9, 1908.

This morning saw a pair of adult and immature pelicans flying over.

3763. Porzana jamaicensis ♀ Alameda, Cal., Nov. 9, 1908; A. H. Bliss.

3764 " carolina ♀ " " " " " " " " "

3765 " " ♂ " " " " " " " " "

Nov. 11, 1908.
San Leandro Bay, Alameda Co., Cal.
Conditions:- Overcast; moderate temperature; no wind.
Saw no rails though searching for them.
Larus philadelphia. Several on bay; what were
immature ones. All with white heads.
Saw three or four large gulls at a distance.
Spiza americana. Heard and saw several flocks.
Numenius. Several; species uncertain, but
probably Numenius hudsonicus.
Macrhipens. Saw one large flock on
mud flats; [illegible]
[illegible] Ardea alpina.
Ardea herodias. Several. Wary as usual.
Ducks. Saw several flocks passing high in
air. One duck alone, right over head, but in to
wind so I could not identify; they looked like Dafila
acuta.
[illegible]
Aristonetta valisineria. Two flying.
Clangula clangula. Taken on bay by hunters.
Cormorant - One flying.
Hawks. One or two large ones. One, apparently
Buteo borealis, had white on hand.
One large owl.
Xanthocephalus xanthocephalus, Melospiza cinerea, and Limnodromus palustris seen in marsh.
Finches (except and birds except) scarce.

3766 Pelidna alpina ♂; Alameda, Cal.; Nov. 11, 1908;
3767 " " ♂ " " " " "
3768 " " ♂ " " " " "
3769 " " ♀ " " " " "
3770 " " ♂ " " " " "
3771 " " ♂ " " " " "
3772 [illegible] ♂ " " " " "
3773 " " ♀ " " " " "
3774 " " ♂ " " " " "
3775 " " ♂ " " " " "
3776 Pelidna alpina ♀ " " " " "
3777 [illegible] ♂ " " " " "
3778 [illegible] ♂ " " " " "
3779 " " ♀ " " " " "

Nov. 14, 1908.

For the past two mornings I have noted several [illegible] Helvetica in the vegetable gardens at West Alameda. They would fly as the train passed; but there were the above-mentioned species. They may have been [illegible]

Nov. 19, 1908.

This morning I saw in the vegetable gardens at West Alameda several of the species mentioned above.

Dec. 5, 1908.

Along the creek and west edge of the tule large flocks of distant ducks are to be seen on

the water. On the bay this morning I noted a few Larus californicus and Larus glaucescens.

Dec. 11, 1908.

A hunter to-day brought in a drake Oythya americana to be mounted.

Dec. 12, 1908.

[illegible] specimen of Aechmophorus occidentalis from San Leandro Bay. This bird was in gray, black, and white plumage; [illegible] winter plumage of the species, I do not know.

Dec. 13, 1908.

This afternoon I went around Bay Farm Island in the canoe. Aside from a flock of about twenty ducks [illegible] outward bound high in the air, I saw only two species, Colaveria dryardi. Aechmophorus occidentalis and a few Larus argentatus smithsonianus. There were four sandpipers, one each of a Totanus and a Tringa, on the edge of a slough. The tide was high, therefore [illegible] more abundant than birds.

[illegible] noted a flock of thirty or forty ducks near the boathouse, but [illegible] they were [illegible] that morning.

Dec. 20, 1908.

This morning we went [illegible]

coast, [illegible]
Bay, down the bay nearly to San Lorenzo Landing;
[illegible] Birds
were scarce. Most of [illegible] on the way,
although a few duck and gulls were noted all
San Leandro Bay.

The following were seen: Archmophorus occidentalis,
one; Larus glaucescens, one; other large gulls, several,
species indistinguishable; sandpipers, two or three
species of, and each on San [illegible] Bay
[illegible]; ducks, in four species, one or two, could
not [illegible]; also [illegible] Pandion haliaetus,
[illegible], Numenius longirostris, Edemia
[illegible]di, Oidemia perspicillata, Erismatura ja-
maicensis.

A small hawk passed over our yard this
afternoon.

Dec. 25, 1908.

Ducks [illegible] abundant along the
[illegible] of Alameda for the last week or
two, large flocks being seen on the water. In
Stow Lake, Golden Gate Park, Fulica americana
is very abundant though probably resident. The
following ducks were seen, apparently wild birds
and not pinioned birds: Anas [illegible], Chaulelas-
mus streperus, Mareca americana, Nyroca affinis,
Erismatura jamaicensis, Fuligula affinis and Fuligula
marila.

Archmophorus occidentalis
23, 26, 27, 29, 38, 49, 64, 65
Aegialeus semipalmatus
38, 40, 41, 43.
Ag gambicuita
7
40, 44, 46, 48, 49
29, 65
29
Anthus pensilvanicus
3, 7.
15,
2, 3, 7, 12, 17, 23, 26, 28, 31, 32, 34, 37, 39, 44, 46, 48, 49, 50, 51, 53, 54, 55, 56, 57, 59, 60, 61, 62.
ia
11, 20, 22, 24, 25, 26, 27, 28, 30, 31, 32, 39, 40, 41, 62, 65.
3, 7, 15.
Aythya americana
64.
Black Rail
52
is
29.

62.

65.

29

44, 62

65.

3, 5, 13, 20, 21, 22, 28, 31, 40, 62, 65.

45.

27, 29, 30.

2, 3, 4, 8, 9, 10, 18, 31. 32, 59, 60, 62.

35, 36, 37, 42, 44, 53, 55.

46.

61, 62.

40

14, 20, 28, 33.

Lowitcher

53

Mack

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65.

Euphidoras

1.

Eurystes [illegible]

38, 41, 43, 44, 45, 62, 63

Eurystes [illegible]

33, 40, 62, 65

Eutheges [illegible]

2, 3, 7, 12, 15, 53, 54

Finch

2, 61.

Fulica [illegible]

54, 58, 65

Fulica [illegible]

58, 65

Fulica [illegible]

21, 29, 30, 39, 40, 41, 42, 48, 65

Fulmar

12

Furcifera stricta

58

Gathrypis bicolor

62, 63

[illegible]

36, 51

[illegible]

4, 5, 6, 8, 13, 16, 21, 30, 38, 59, 60

[illegible]

1, 2, 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36,
38, 47, 51, 52, 54, 55, 56, 57, 58, 59, 60, 62, 64, 65.

[illegible]

46, 51, 62, 65

[illegible]

[illegible]

56

[illegible]

35, 40, 49, 54.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

3, 62

Larus brachyrhynchus

1, 3, 4, 6, 7, 10, 12, 14, 17, 19, 21, 23, 24, 26, 31

[illegible]

[illegible]

45, 46, 47, 51, 52, 55, 56, 57, 58, 59, 60, 61, 64.

1, 3, 4, 6, 7, 10, 12, 14, 17, 19, 21, 23, 24, 26, 31

1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 33, 34, 36, 37, 38, 64, 65.

Larus heermanni

55, 56, 57, 58, 59, 60, 61.

6, 13, 45, 51, 52, 55, 56

4, 19, 34, 35, 37, 38, 42, 48, 49, 50, 51, 52, 53, 60, 62, 63.

Limonites minutilla.

38, 41, 43.

Limosa fedoa

38, 43, 44, 48, 50, 51

Loon

4, 11, 18, 20, 21, 23, 24

36, 39, 41, 43, 44, 50.

57

29, 66.

46

49, 52, 54, 62

23.

[illegible]

21

[illegible]

62

[illegible]

37, 40, 41, 42, 43, 44, 45, 46, 48, 50, 53, 56, 62.

[illegible]

31, 34, 39, 40, 44, 46, 48, 49, 50, 51, 53, 54, 55, 57.

[illegible]

2, 5, 10, 22, 28, 35, 36, 45, 64, 65

Oldenia [illegible]

2, 5, 22, 30, 32, 34, 59, 65.

Sul

62

[illegible]

63

[illegible]

1[illegible], 16, [illegible], 28, [illegible], 40, 54

[illegible]

61,

[illegible]

[illegible], 40, 41, [illegible], 44, [illegible], 62, [illegible]

[illegible]

54.

[illegible]

60

[illegible]

23, 24.

[illegible]

3, 63

[illegible]

61

[illegible]

61

[illegible]

64

[illegible]

46

[illegible]

29

[illegible]

38, 52, 62.

[illegible]

38

[illegible]

64

[illegible] duck

61

Sandpiper

5, 6, 7, 31, 36, 37, 39, 40, 41, 42, 43, 45, 46, 47, 48, 50, 57, 62, 64, 65.

Scaup Duck

4, 6, 7, 20, 21, 22, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 36

Scoter

2, 3, 5, 20, 21, 34, 36, 57, 59

Shore bird

3, 35, 36, 37, 38, 42, 44, 46, 48, 53, 55, 56,

35, 36, 37, 42.

53

83, 65

38, 40, 41, 42, 48, 53, 62, 63

51

4,

38, 42, 44, 46, 47, 49, 50, 51, 52, 53, 54

49.

56

2, 12

43, 44, 45, 48

6, 46, 49, 51, 53, 54

36, 39, 42, 48, 50

42

15

Nia tra

5

Lutra

51

[illegible]

41

[illegible]

47, 50

[illegible]

36, 37

[illegible]

15, 28, 35, 37

Ornithological Notes

1909

Edward Winslow Gifford

January 6, 1909.

Larus glaucescens is now common on the bay of the ferry slips in San Francisco. This morning I noted a number of them, mostly immature in mottled brown plumage, however.

Mr. Abbott also told me that a Japanese Nightingale ( ) escaped from his aviary about a year ago, and was not seen until a short time ago. Now it stays about the aviary, attracted apparently by the caged ones. Could this bird have gone north and returned, or is it another bird escaped from someone else's aviary?

January 11, 1909.

Early in the afternoon I crossed the bay to San Francisco. It was a beautiful clear day with a northerly wind. [illegible] and along the [illegible] bay [illegible] [illegible] [illegible]

[illegible] Alameda, Cal. visit the weather they appear to be [illegible] scoters.

[illegible] Note. In the [illegible] Golden Gate Park, [illegible] several wild [illegible] [illegible] quite tame.

[illegible] Larus glaucescens

January 16, 1909.
Alameda to San Francisco, California
Warm; mostly cloudy and rainy. 7:30 & 8:30 A.M.

In Alameda saw Passer domesticus, Pipilo fuscus, and Tonotrichia leucophrys (several young and adults).

[illegible] saw several ducks. Along the pole were the usual distant flocks, too [illegible] identified; apparently entirely scoters. I overtook several gulls flying

On the bay I saw one scoter, southbound, about twenty Larus glaucescens and two or three Larus californicus followed the steamer. The Larus glaucescens were mostly immature,

January 18, 1909.
Alameda to San Francisco California.
Warm; misty; no wind; high tide; 7:30 to 8:30 P.M.

Along the seawall, the west coast of Alameda, and the mole were immense flocks of ducks, numbering thousands on the water, all to distant to identify. Probably the majority were scoters. Between the immense flocks, the placid water was dotted with straggling individuals.

On the bay several Larus californicus and Larus glaucescens followed the steamer a little. When about halfway over we met a number of both species on the water. Among them was one Larus philadelphia. When west of Goat Island, four Phalacrocoras passed astern of us, they were bound northwest.

January 19, 1909.
Alameda to San Francisco, California.
Warm; misty in morning; high tide; 7:30 ~~to~~ 8:30 A. M.

While sitting on the train at the Webster Street station I saw a flock of some forty dowitchers [illegible] over the mole. The air was full

Ducks were abundant along the mole and

of oil on the water; there afforded a barrier between different flocks of birds which were close together.

On the bay a number of adult and immature [illegible] followed the [illegible] on the [illegible] young [illegible] adult [illegible] about twice [illegible] the water from the [illegible] compass [illegible] the bird to alight away to the [illegible] wind, and [illegible] on the [illegible] four [illegible] on the [illegible] the mole. Two cormorants and a loon were [illegible]

This evening an immature Larus [illegible] the steamer until [illegible] Island. At times it would [illegible] minutes without moving its wings; at this time it seemed to use its tail [illegible] in connection with the wings.

January 20, 1909.
Alameda to San Francisco, Cal.
Moderate temperature; southeast wind; rainy; 7:30 to 8:30 a.m.

While in the back yard this morning two or three

birds heard or observed; how they actually were differentiated by the eye or ear.

sitting on the boat at the station I saw [illegible] fly over head [illegible] past, just as yesterday morning.

Along the small and mole ducks were abundant as usual, all distant, however. One cormorant was seen to alight in the water. Two doves were noted, southward.

Several [illegible] glaucescens and one or two Larus californicus followed the steamer on the eastern part of the bay.

Returning about 5:10 saw several gulls about the San Francisco ferry slip, although it had become very dreary overcast and it was blowing.

January 21, 1909.

Alameda to San Francisco, California.

Moderate temperature; high south wind; overcast.

On the way to the train this morning I saw Passer domesticus.

Along the mole and seawall ducks were abundant on the water despite the rough sea. Several [illegible] were seen on the wing. Three or four gulls were seen flying east along the south side of the mole. Two doves were seen flying westward; they were having a hard struggle against the wind. A few minutes

later when on the ferry boat two more passed us westbound; apparently they were the same

or two Larus californicus followed the

San F

January 22, 1909.
Alameda to San Francisco, California.

undant at a distance on + water.

crossed

westerly direction.

Two or three of both Larus californicus and

it had considerable difficulty in maintaining

[illegible] times by the
[illegible] of the [illegible] It maintained
[illegible] at critical moments by judicious
[illegible] of the oars [illegible] of the tail.
[illegible] and [illegible]
[illegible] with-
out.

January 13, 1909.

[illegible] San Francisco, California.

7:30 to 8:30 A. M.; [illegible]; overcast; [illegible] wind.

Were going along High Street a flock of some twenty Euphagus cyanocephalus flew over. Recognized chiefly by their shrill notes.

Along the Encinal and not much common on the water, but nowhere near as much so as a week ago.

On the bay the coots (apparently Fulica americana), [illegible] feeding and scattered. I saw about seven ducks in one flock southward. Larus glaucescens and Larus californicus followed the steamer in the usual numbers and proportion.

San Francisco to Alameda, California.

Several immature Larus glaucescens and one or two Larus californicus about the bow of the steamer as we left San Francisco this evening. [illegible] flock of eight or ten ducks flying northwest.

January 25, 1909.
Alameda to San Francisco, California.
~~7:30 to 8:00~~ A. M. Rainy, cool, very ~~calm~~ overcast.

Where going to the ~~ferry~~ ~~building~~
~~Larus~~ ~~occidentalis~~ ~~wings~~ ~~and~~ ~~feet~~ ~~pink~~ foot, probably it had been shot.

Along the ~~ferry~~ docks were a common ~~Larus~~ ~~occidentalis~~ ~~wings~~ ~~and~~ ~~feet~~ ~~pink~~ ~~bill

January 26, 1907.

[illegible] San Francisco, California.

Cool, overcast; no wind to speak of.

[illegible] a-
round it, as usual, on the water.

On the bay, [illegible] and
californicus followed the steamer in almost
usual proportions. [illegible] of the latter species
were mostly adults in winter plumage.

This morning I saw three Junco hyemalis in
the back yard of 146 Sansome Street, San Francisco.
They were feeding on the ground.

[illegible]

[illegible] the steamer while in the slip on the San Fran-
cisco side. On the [illegible] four gulls
[illegible] and one [illegible]
Three flocks of cormorants, the largest number-
ing over twenty and flying quite low, passed
south along the San Francisco water front.
One passed directly over the steamer after
we left the slip; they would take a dozen
or so flaps and then sail a short distance.
I saw one boat bound southward.

This evening at the dusk, I noted a
good many ducks on the water along the note.

Note.— Probably the black birds seen last
night were cormorants.

January 27, 09.

San Francisco, California.

7:30 to 8:30; ; quite clear; no wind.

This morning thousands of lesser scaups were about. They have become very common about our piers since [illegible] last winter, on the windowsills, and sheltered parts of the roofs, in the summer [illegible] and [illegible] places.

[illegible] the water, and not so along the piers, unless the piers were too [illegible] from the train. I saw a drake Buffle-head close to the rocks of the seawall.

On the bay Larus glaucescens and Larus californicus were common, following [illegible] of the ferry boats.

5:00 to 5:30 P.M.. Conditions about the same.

Larus glaucescens and Larus californicus were common on the San Francisco side this morning. On the east side of the bay one or two were seen. I saw two coots flying northward close to the water. I [illegible] was also seen high in the air going in the same direction.

Along the water were a number of flocks of ducks on the water, mostly

January 28, 1909.

Ferried to San Francisco, California.

7:30 to 8:30 A.M. Clear; moderate temperature; no wind.

I saw [illegible] on the water along the

mo. and seawall.
(Wind ... down the mole, saw 1 gu... and 1
small duck flying east over the water.
On the bay Larus glaucescens and Larus
californicus followed the steamer as usual.
5 to 5:30 P.M. Cloudy about the same.
Observed many Larus glaucescens and occasional
Larus californicus were about the bay of the boat
made in the ship on the San Francisco side.
(illegible) one of the former stood for quite
a while on the deck. Saw a young Larus
californicus standing on a pile with several
young Larus glaucescens. Saw two adult
gulls which appeared to be Larus argentatus.
Along the mole I noticed a number
of ducks on the water, some individuals
being quite close, but in the gathering dusk
it was impossible to distinguish the species.
January 29, 1909.
Alameda to San Francisco, California.
7:30 to 8:30 A.M.
It being foggy this morning, I saw no ducks
along the seawall and only five along the
mole, one, a male Scaup Duck, that close enough
to be easily distinguished. Saw a small
grebe close to the end of the mole.
On the bay a good number of Larus
glaucescens and one or two Larus californicus

followed the steamer across.
5 to 5:30 P.M.

This evening there were a great Larus glaucescens and occasional immature and adult Larus californicus about the steamer while in the slip on the San Francisco side. For the past two or three nights I have noticed two or three Larus glaucescens with breasts and ~~and~~ abdomens covered with coal tar, also with a little on the wings. They were, however, flying about with the others.

January 30, 1909.

Alameda to San Francisco, California.

This morning ducks were abundant along the seawall, but not along the mole. In this latter place I saw a Haliaetus leucocephalus. I rode inside the steamer.

San Francisco to Oakland, Cal.

4:40 to 5:20 P.M. Clear; moderate temperature.

While coming down Bay this evening I saw a good many Larus glaucescens and one Larus californicus flying west over Nob Hill; I saw as many as six together. This evening and for the past two evenings I saw a number of gulls circling high up in the air over the bay, apparently preparatory to flying west over the city. Larus glaucescens and Larus californicus as usual. Near Long Wharf I saw 2 loons separately flying south.

February 1, 1909.
Alameda to San Francisco, California.
7:30 to 8:30 A. M. Moderate temperature; SE wind.

Along the seawall there were three or four large flocks of ducks, mostly scoters, on the water; one flock arose as the train started. Along the shore were few ducks. One or two Scaup ducks were recognized.

On the bay I saw two flocks of ducks of about 30 each flying south high [illegible]. Larus glaucescens and Larus californicus followed the steamer in the usual proportions.

This evening about 5:45 I saw a few gulls about the San Francisco ferry slips although it was nearly dark; one or two were also seen when crossing the bay.

February 2, 1909.

Alameda to San Francisco, California.

7:30 to 8:30 A. M. Moderate temperature; strong south wind.

Along the seawall there were three or four good-sized flocks of ducks on the water. Few ducks were seen along the mole. I saw a young Larus californicus here.

On the bay Larus glaucescens and Larus californicus followed the steamer as usual. I saw a flock of gulls floating over a passing ferryboat without moving their wings or changing their position

with regard to ...

This evening I saw the usual number of Larus glaucescens and ... Ardea herodias out in the water and on the ...

February 3, 1909.
Alameda to San Francisco, California.
7:30 to 8:30 P. M. ...; Sunset; partly overcast.

In the marsh along First Street I saw Ardea herodias.

Along the mole and seawall there were few ducks. I saw one gull flying.

Just after leaving the mole I saw a flock of some fifty gulls over and on the water the wake of the steamer. ... followed us across ... Larus glaucescens and ... Larus californicus being equally divided, ... steamer.

8 to 5:30 P. M. ... to Alameda, Cal.

I rode inside the steamer this evening. Along the mole, although it was too late, could be seen three or four good sized flocks of ducks on the water. ... Ardea herodias were seen in the shallow water.

February 4, 1909.
Alameda to Antioch, California, and return.
... perfect; rather overcast; no wind.

Sturnella magna and other passerine birds noted over the whole route. Traveled

F. route.

Fulica americana was seen in large numbers on [illegible] ponds west of Bay Farm.

A Quite tame!

[illegible] a cross [illegible] Contra Costa County.

crossing the San Joaquin River at [illegible]

[illegible] on my way back in the afternoon I saw [illegible] hawks (probably Buteo borealis) circling [illegible] near [illegible] Pleasanton.

February 5, 1909.

Alameda to San Francisco, California.

On the way from San Leandro to Fruitvale saw a few flocks of ducks sitting on the water and one or two gulls (Larus glaucescens and Larus californicus) as usual. Saw two loons flying northwest.

Flock containing [illegible] Larus glaucescens and Larus californicus on the bay. Off Yerba Buena saw a large flock of ducks. Three or four Ardea herodias were fishing in shallow water.

February 6, 1909.

Alameda - San Francisco, California.

of ducks on the water along the [illegible]
mole.
two cormorants flying seaward.

On the way Larus californicus and Larus glaucescens followed the steamer in equal proportions, all of the former being adults, however.

San Francisco to Alameda, California.

7 in evening when crossing bay the usual Larus californicus and Larus glaucescens were seen. [illegible] party [illegible] to Alameda [illegible], a dozen or so [illegible] in front of the boat, [illegible] plunging [illegible] the water.

Along the mole saw two or three good-sized flocks of ducks on the water; they appeared to be [illegible] species.

February 7, 1909.

Alameda, California.

I saw one or two Jo-trichia [illegible] copkeys in the yard

February 8, 1909.

Alameda to San Francisco, California. 11 A. M.

Along the mole I saw three or four good sized flocks of ducks on the water.

I rode inside the steamer. I noted a number of gulls sailing over a passing steamer.

San Francisco to Alameda, California. 5 P. M.

This morning I saw the usual Larus glaucescens and Larus californicus on the bay, immature birds of the former being common on the flats where they kept up quite an squabbling.

On the west side of the bay I saw several terns (Sterna forsteri?) flying south, also two or three herring gulls (Phalacrocorax auritus). One grebe in water.

Along the whole beach I saw two or three hundred of ducks on the water, and ten Golden Plovers on the sand.

February 9, 1909.
Alameda to San Francisco, California.

This morning I saw four or five flocks of ducks on the water along the seawall and mole, also two or three grebes. On the light near the coast house I saw eight Larus glaucescens and Larus californicus on the sand.

This evening about 5:45 I saw a good many gulls, chiefly large glaucescens (young) and a few Larus californicus near the San Francisco Ferry Building. They were picking up refuse and rotting shellfish.

February 10, 1909,
Alameda to San Francisco, California.

In the back yard I saw the usual horde of Passer domesticus this morning. I also saw two or three Zonotrichia leucophrys.

Along the seawall and mole I saw one or two gulls. Four or five flocks of ducks were seen on the water, and one or two Scaup Ducks and Clangula clangula were seen close in shore. Along the mole I saw several grebes; some were Aechmophorus occidentalis. I saw a cormorant come up out of the water with a fish held obliquely in its bill. I heard again the meadowlark.

February 11, 1909.
Alameda to San Francisco, California.

This morning I saw several small flocks of ducks on the water along the seawall and mole. One or two Scaup Ducks and Clangula clangula were seen ~~one~~ once enough to be recognized. I saw also a loon on the water. Several Aechmophorus occidentalis were seen on the water near the ~~mole~~ end of the pier. Some dived as the train passed them, making an arc clear of the water as they did it.

This evening there were a great number of gulls about the cruiser "Buffalo," as usual, mostly Larus glaucescens, some Larus californicus.

February 12, 1909.
Alameda, California.

Several Spatulas [illegible] about the yard to-day.

At the foot of the street I saw half a dozen Larus californicus, [illegible].

I saw six ducks fly into San Leandro Bay from the main bay.

February 13, 1909.
Alameda to San Francisco, California.

Along the mole and mole I saw one or two gulls, a good sized flock of ducks and a number of loggers, one Columbus septentrionalis, and several Colymbus nigricollis californicus occidentalis, these last near the end of the mole.

On the return trip this evening gulls (Larus californicus and Larus glaucescens) were common about the San Francisco waterfront. I saw one sitting on top of the forward mast house of the incoming steamer. On the bay I saw a number of gulls and on the water. I saw briefly three ducks in 2 flocks southbound high up. Eight cormorants passed south with usual flight. A single Phalacrocorax auritus crossed over low southward bound, flying close to the water in a perfectly straight line.

When going up the mole and seawall I saw a few ducks on the water. ~~Both taxa~~ A flock of ducks were seen flying south, and another northalong the west coast of Alameda. At the light near the roundhouse seven Ardea herodias standing in the shallow water with necks outstretched took in alarm as the train passed. They were unusually close. This morning I saw one standing in the marsh quite close to the train.

February 14, 1909.
Alameda, California.

Several Protichnites eocenes were seen about the yard to-day; most of the were adults.

In the straits between Alameda and Bay Farm Island this evening I saw four or five distant ducks.

This morning a flock of about one hundred ~~two~~ Euphagus cyanocephalus passed over southward.

Saw two Agelaius tricolor nycticorax flying to the southward this evening.

February 15, 1909.
Alameda to San Francisco, California.

Along the seawall and mole a number of ~~grebes~~ ducks were seen in small flocks and as stragglers. One or two grebes (Aechmophorus occidentalis) were

seen along the mole.

Saw twenty-five cormorants flying northwest high in the air over west Alameda. At one time they formed in a V-formation.

Rode on the forward deck of the steamer, and saw a number of Larus glaucescens and Larus californicus. Saw thirteen ducks flying north. Two flocks of about a dozen cormorants each flew across the bows going northwest close to the water.

In the evening when I returned saw the usual Larus glaucescens and Larus californicus. Near Alameda Mole I saw a loon and a dozen ducks southbound.

Along the mole and near it saw the usual ducks on the water.

February 16, 1909.

Alameda to San Francisco, California.

At home this morning I saw one or two Zonotrichia leucophrys in the back yard. A day or two ago I saw one or two Pipilo fuscus on the street.

Along the seawall and mole were several gulls and several small flocks of ducks, also one or two grebes.

On the San Francisco side I saw a number of Larus glaucescens on the piles.

February 17, 1909.
Alameda to San Francisco, California.

[illegible] large flocks of ducks off southwest corner of Alameda. [illegible] along the edge of the mole at the south end of Alameda I saw several Anas boschas; at high tide.

I saw a gull on the top of the [illegible] roundhouse.

I saw an Aechmophorus occidentalis in the water near the mole.

[illegible] I saw a number of Larus glaucescens and Larus californicus on the bay. [illegible] Goat Island [illegible] Harbor [illegible] Anas southbound.

[illegible] ducks [illegible] along the mole. [illegible] at Alameda Station I saw a flock of gulls, about twenty in number, [illegible] toward high in the air.

February 18, 1909.
Alameda to San Francisco, California.

Off the seawall I saw a large flock of ducks this morning. A number of stragglers were seen both [illegible] and along the mole, also one Aechmophorus occidentalis.

In the evening I saw a few scattering ducks along the seawall and mole although it was low tide. Drake Scaup Ducks were in evidence. A great many gulls were seen on the sand left exposed by the tide along the mole. Saw a cormorant on the shallow water.

When crossing the bay I saw half a dozen Œdemia deglandi flight on the water.

February 14, 1909.

Alameda to San Francisco, California.

Along the seawall and mole I saw a good many scattering ducks on the water. Saw half a dozen flying north and half a dozen flying east. Among those on the water which I examined were recognized. Scaups half a dozen Œdemia perspicillata, 1 Loon, a pintail, 1 Aechmophorus occidentalis, and 1 cormorant. Saw 2 small flocks flying west over the water.

February 20, 1909.

Alameda to San Francisco, California.

Off the seawall this morning was a large flock of ducks on the water, and a number of stragglers here and along the mole, Scaup ducks being in evidence. Saw one Aechmophorus occidentalis.

This evening there were a great many gulls on the flats exposed along the mole. One Ardea herodias was

February 22, 1909.

San Leandro Bay, Alameda Co. California.

Yesterday I saw a Pomatorhine Woodpecker in the lot, & found in addition to the usual hosts of Sparrows (Passer domesticus).

[illegible] and San Bruno Road [illegible]

[illegible]; I saw one eating oysters.

To day when [illegible] Bay and [illegible] marsh to the eastward I saw the following:

Gulls. Several Larus californicus, adults and immature.

Sandpipers. Up in the marsh I saw a couple of flocks of some forty flying about; [illegible]

Order Herodias. Circled [illegible] in marsh

Sanpiper and Recurvirostra [illegible]

Few scattered. A large flock, chiefly males of the latter in the shallows [illegible] of San Leandro Bay.

Semipalmated plovers. Three or four.

Phalaropodidæ. Two. One on water.

Avocets. One in [illegible]

Totanus macrocephalus. Large flock near the Villa.

Tringa minutilla. Numbers in marsh.

February 25, 1909.

Started for [illegible] San Francisco, California.

[illegible] this morning

gate on the sand along the west. There were quite a few ducks in the shallow water, the Mallard Scaup Ducks being nearly covered by the whitecapped Gulls. Several Western Grebes were on the shallow water close to the beach, diving for their food.

On the return trip the morning was cool. Land of the Sunset and Lakes California. On the east side of the bay there were Meadowlarks, Redwinged Blackbirds and Tree Sparrows singing, the latter starting to sing in earnest since I left Alameda. Nothing else of interest to record.

February 24, 1909.

Alameda to San Francisco, California.

Was awakened at the back window at home this morning by four coyotes flying over from a southeasterly direction.

Fog over the bay. Off the mouth of Alameda Creek. Along the reeds there were Gulls on the sand and standing in the shallow water. Ducks were more abundant than they have been lately. Mallards and Scaup ducks were recognized. They are getting ready to go back to their breeding grounds.

This morning I saw a large number of Western Grebes floating on the San Francisco Bay and Central Lakes California coast. Also 2 Pied-billed Grebes

[illegible]

February 25, 1909.
Alameda to San Francisco, California.

This morning at low tide I saw a lot of gulls on the sand along the shore. In the shallows were two Great herons and a few ducks feeding. The dusky [illegible] ducks were very common, drake Scaup Ducks being represented by three. Two or three Pacific Loons, drake, and before I [illegible] a couple of days ago.

This morning while coming down Clay Street, from Jackson, I saw a large flock of sea Gulls, Cormorants flying over the bay; later when on the ferry boat I saw a similar flock similarly [illegible].

Larus occidentalis, Common; Larus californicus, a few; the former mostly immature birds. Near Yerba Buena I saw an adult Larus [illegible] flying.

Along the mole a few ducks were seen.

This morning I saw three Ectopistes migratorius in the eucalyptus near the house.

February 26, 1909.
Alameda to San Francisco, California.

This morning when I went to the city the tide was ebbing, light and still fairly high. In the bright red Chrysanthemum which along the roads, the following birds were seen:

Quite a few gulls on the water.

Many ducks, varying quite some. A few Anatidae calcarensis feeding in the shallow water. Many Canis dorbe, one Mangula Chrysaetos, a few Chistmetta calcarensis, and a few Coatesi were seen along the roads.

Also a few Ochrophorus occidentalis.

This morning when returning I saw a good many Immature Larus glaucescens and the fishers the San Francisco gate, a number were also flying about. Immature were also found commonly, nearly all adult birds, and all flying about. Some of the adults were seen to be losing the speckled head of the winter plumage. Some Anatidae were feeding a long ways from the shore. On the way home I saw Cormorants on the bay at different times in the following numbers, 4, 6, 1, 2, some which passed close to the Cormorants were noted. Some passed separately and in groups. Near the north Shore a few Canis dorbe were noted.

Along the north shore a few ducks on the water; a few Gulls and a Mangula Chrysaetos were also seen along the roads.

February 27, 1909.
Alameda to and from San Francisco, California.

This morning there were lots of ducks on the water along the mole and seawall, along the former they were in large flocks. Quite a few ~~ducks~~ were recognized. On the right near the roundhouse there were about thirty gulls on the water. There were four Podilymbus podiceps occidentalis were seen near the west end of the mole.

On the bay quite a few Larus glaucescens and Larus californicus followed the steamer.

This evening while waiting in the ferry on the San Francisco side I saw a good many immature and one or two adult Larus glaucescens, several Larus californicus (mostly adult), and one adult Larus argentatus. This last bird flew about and sat on the piles with the Larus glaucescens.

I saw two large flocks of cormorants flying south in the usual undulatory manner along the west side of Goat Island quite high in the air.

Along the mole this evening ducks were not as numerous as this morning. One or two Podilymbus podiceps occidentalis were seen.

March 2, 1909.

Alameda, California.

I saw a flock of [illegible] flew over the water in a well defined formation. Many adult Larus glaucescens (Glaucus hyperboreus) called to me three or four times.

At the foot of the street this afternoon at low tide I saw several Larus californicus. At a distance I saw several terns or small gulls.

March 1, 1909.

Alameda to San Francisco, California.

This morning there were quite a lot of ducks spread all along the mole. The following species I recognized: Aristonetta vallisneria, Canvas back duck, 3 or 4 Oidemia perspicillata, and 1 or 2 Mergus serrator. Saw a few close to the rocks, and I think it was Colymbus pacificus; it was a diving duck that did not seem to mind the train.

In crossing the bay from Alameda to San Francisco I saw Larus glaucescens and Larus californicus frequently. Not infrequently one or two of the former will be attending on the lower deck for the steamer before it leaves. Saw a flock of twenty or thirty on the water and a number about the Alameda mole.

March 2, 1909.
Alameda to San Francisco, California.

This morning ducks were scattered all along the waters along the seawall and mole. Aristonetta valisineria, Scaup ducks, and one Clangula clangula were recognized. One Aechmophorus occidentalis was seen in the water. Two or three gulls were seen flying.

On the bay points a few Larus glaucescens and Larus californicus followed the steamer. The Larus occidentalis [illegible] Larus glaucescens and Larus californicus, and when a little way out from San Francisco saw several Larus [illegible] on some drift. Saw four cormorants going south.

Along the mole this morning ducks were very common, feeding for the most part in the shallow water, as the tide was out. Several hundred gulls were on the outermost sandspits, and one or two Ardea herodias were feeding in the shallows. In a garage near 1st Street I noted a pair of Scaup Ducks.

This morning saw a Larus [illegible] in the middle of First Street.

March 3, 1909.
Alameda to San Francisco, California.

This morning ducks were rather scarce and scattering along the seawall and mole,

Aristonetta valisneria and Scaup ducks being the species seen, the former being the least common. One loon was seen in the water, and several gulls seen flying.

On the return trip this evening Larus glaucescens and Larus californicus were noted as usual on the bay, and one loon was seen flying south.

Along the mole on the exposed sand were a good many gulls, and in the shallow water a goodly number of ducks were feeding and swimming.

March 4, 1909.

Tiburon, California.

This morning when I went to the city it was high tide; ducks were few and scattering along the mole and mole, a few Bucephala albeola, a good many Scaup ducks, and a few scoters. A loon, apparently Colymbus septentrionalis, was close to the rocks.

This evening when returning I saw the usual Larus californicus and Larus glaucescens on the bay. On the shallow water along the mole there were a good many ducks, and upon the sand mole a distance from the water were two small groups of them asleep, each bird standing on one leg. One Ardea herodias. Hundreds of gulls on the sandspits along mole.

March 5, 1909.
Alameda to San Francisco, California.

Along the seawall and mole this morning ducks were scattering, several Aristonetta valisneria were in the bight near the roundhouse, and Scaup ducks and Scoters were seen all along the mole. One Oedemia perspicillata was recognized. Several Scaup ducks were right up to the beach feeding. About one hundred gulls were on the water in the bight. I saw one cormorant in the water near the west end of the mole.

This evening there were a large number of Larus glaucescens and Larus californicus (mostly adults) about the Ferry Bldg., S. F. They were over a lot of debris. Larus californicus were by far the more numerous.

Along the mole (on pontoon at low tide) the following were seen: Gulls, abundant on sand spits; ducks, scattering, large flock in shallow water, - three or four asleep up on sand; one cormorant; one Aechmophorus occidentalis. Several Ardea herodias.

March 6, 1909.
Alameda to San Francisco, California.

Gulls and ducks were observed the same as usual both in the morning and evening. I saw one Aechmophorus occidentalis in the morning. High tide in morning, low tide in afternoon.

March 7, 1909.

At the foot of our street to-day I saw three or four immature Larus californicus, and two or three large flocks of cormorants coming from ~~a~~ the ~~a~~ ~~a~~

March 8, 1909.

Alameda to San Francisco, California.

This morning when I went to the city the tide was out, and there were a number of gulls on the mud on the right near the roundhouse. Along the more distant sands, a few scaups and scoters being seen.

This evening the usual Larus glaucescens and Larus californicus were out on the bay. I noted a very large flock of gulls following a westbound ferryboat. Old transports were passed there were a good many, each one occupying a some space or more or less, and ducks flying south.

Over the Alameda mole I saw a cormorant on a pile. At one time there were large numbers of gulls on the bars of mud and sand, also several ducks asleep. A few sea ducks and scoters were to be seen in the water.

March 9, 1909.

Alameda to San Francisco, California.

This morning, when I went to the city, the tide was out, and there a great many gulls on the sand near the roundhouse, also ~~a few~~ several ducks asleep.

There were quite a few ducks on the water along the mole, Scaup ducks and Nyroca perspicillata being recognized. Ducks are becoming noticeably scarcer. Several Echinophorus occidentalis were seen.

This evening the tide was again low, and along the exposed sand near the mole there were hundreds of gulls, and in the shallow water close by were quite a few ducks and some Ardeas herodias. Off the seawall west of Fifth Street there were a few Larus philadelphia.

March 11, 1909.

Alameda to San Francisco, California.

This morning when I went to the city the tide was low. Off the seawall I saw twenty or so Larus philadelphia. On the sand exposed near the mole were hundreds of gulls and several ducks. In the water gulls, ducks (Scaup ducks and scoters) ~~and~~ Echinophorus occidentalis were seen.

This evening when returning Larus californicus, Larus glaucescens, and Larus brachyrhynchus were seen on the bay, also four pelicans very high in the air, ~~were~~ evidently ~~and~~ on Pelecanus fuscus californicus southbound. I saw a gull circling about at a great height.

Along the mole, although high tide, the same species were noted as were seen this morning.

March 12, 1909.

Alameda to San Francisco, California.

When I went to the city this morning the tide was fairly low. On the mud were large numbers of Gulls, largely Larus californicus, with some Larus glaucescens. On the water there were a few Scaup ducks and Scoters along the mole, and also three or four Echmophorus occidentalis.

On the bay this evening a good number of Larus californicus and Larus glaucescens were seen on the San Francisco side. Along the mole were a few scattering ducks: Scaup Ducks, Scoters, and a couple of Clangula clangula. Near the roundhouse I saw a female Aristonetta valisneria.

March 13, 1909.
Alameda to San Francisco, California.

When I went to the city this morning the tide was fairly low. Along the sea wall and mole the following were seen: 1 Clangula clangula, several Aristonetta valisneria, Scaup ducks, Scoters, 2 small grebes, and about fifty sandpipers and a good many gulls on the mud. This evening I saw quite a few ducks along the mole, the tide being high; Scaup ducks and Scoters were seen, including the latter Oidemia perspicillata.

A short distance west of the Alameda mole

this evening there was a large flock of Larus californicus and Larus glaucescens on the water. I saw two or three Phalacrocorax auritus southbound.

While the ferry boat was in the slip on the San Francisco side this evening gulls were very common. Two or three Larus glaucescens alighted on the forward deck, along with them a Larus glaucus. It was very nearly pure white, the only exception being some brown spots on the wings and back. I am very certain of its identity. After it left the deck I saw it make a turn as it flew out from behind an incoming steamer.

March 15, 1909.

Alameda to San Francisco, California.

Both this morning and evening quite a few ducks (Scaups and Scoters) were seen along the mole.

On the bay this evening Larus glaucescens and Larus californicus were common, several of the former sitting on the lower deck of the steamer while in the slip on the San Francisco side. I saw a Phalacrocorax auritus going south and seven Scaup ducks going north.

Mar. 16, 1909.

Alameda to San Francisco, Cal.

This morning there were more ducks than there have been of late along the mole. They were chiefly in flocks this morning, Scaup ducks being the most in evidence. This evening ducks were not so numerous. Two or three Aristonetta vallisneria were seen this morning.

March 17, 1904.

Alameda to San Francisco, California.

This morning I saw one Ardea herodias on the edge of the mud west of First St.

Along the mole there were quite a few ducks (mostly Scaup ducks) in scattering small groups. I also saw one or two gulls flying. This evening there returning, I also hundreds of gulls and a small group of ducks on the exposed mud. Ducks were more numerous in the water, and aside from the usual Scaup ducks I saw a male Clangula clangula.

On the San Francisco side this evening gulls were abundant, Larus glaucescens (immature) and Larus californicus being common. Some of the former are beginning to show the glaucous mantles. One Larus occidentalis, three or four Larus brachyrhynchus, and one Larus glaucescens were also seen. The last bird may have been the same one seen a short time ago. I saw two or three Phalacrocorax auritus, one in the water, the others overhead.

March 18, 1909.
Alameda to San Francisco, California.

When going to the train this morning, I saw two Spinus pinus on a telephone wire, one Heleconia californica, and the usual Passer domesticus. These birds are not as abundant now about the arrivals as they were during the rainy season. Doubtless they are beginning to nest now. These little birds will soon take wheat out of shallow water, where I put it for the ducks.

Along the seawall west of Fifth Street Station in a flock of some twenty male and female Edemia perspicillata flighted up as the train passed. The drakes were especially conspicuous owing to the white patches on their heads.

On the water west of the mole, quite a few gulls and ducks were seen. The latter were mostly Scaup ducks.

March 19, 1909.
Alameda to San Francisco, California.

Along the mole this morning I saw the following anserine birds: Aristonetta valisineria, Scaup ducks, Clangula clangula (one), Scoters, Edemia perspicillata, and Merganser serrator (one drake).

March 20, 1909.
Alameda to San Francisco, California.

In the bight near the roundhouse this morning

there were a good many gulls on the water awaiting for the tide to go out. Along the mole saw Anitonetta columbaria feeding in shallow water, Scaup ducks, Scoters, Edemia perspicillata, and two Phalacrocorax auritus.

On the piles on the San Francisco side this morning I saw a few immature Larus glaucescens.

This evening the tide was low and I went the return to the usual gulls and ducks were seen, some of the latter sleeping on the sand.

March 21, 1909.

Alameda to San Francisco, California.

Along the mole this morning about ten o'clock I saw a few ducks and several gulls. The former consisted of Scaups, Edemia americana, Anitonetta columbaria, Clangula hyemalis (4 or 5). When nearly over in San Francisco we passed a large flock of Larus glaucescens and Larus californicus on the water; some of the latter were adult.

On the return trip I noted a good many of each species on the roof of Oakland mole. On Oakland harbor I saw several ducks.

Last evening Opticorax nycticorax flew over the house.

Golden Gate Park, San Francisco.

I noted the following wild birds about the Park: Pipilo maculatus, one; Zonotrichia leucophrys,

route a few; hummingbirds, two; Lophortyx californicus, heard some.

On Stow Lake I saw the following birds in addition to numerous high plumaged Fulica americana. I think that these enumerated are nested birds: Aix sponsa, Chaulelasmus streperus, Mareca americana, Dafila acuta, Spatula cyppeata, Clangula albeola, Clangula clangula, and Scaup ducks. A pair of the latter which came close were Nyroca affinis.

The Fulica americana pick up things in the water by pecking at them, just as a chicken does on land.

March 22, 1909.

Alameda to San Francisco, California.

Along the seawall west of Fifth Street Station I saw four Clangula clangula this morning. Along the mole I saw a few gulls on a strip of mud, and a number of Arlistonetta valisneria, Scaups, and Scoters. Ducks are all much tamer now than at any time during the hunting season.

On the return trip across the bay this evening, I saw in addition to the usual Larus californicus and Larus glaucescens, three cormorants and two Scoters northbound, two loons, southbound, one Clangula southbound, and 1 Phalacrocorax auritus on the south of the slip at Alameda Pier. In the water along the mole I saw the usual ducks, and on the sand along the mole hundreds of gulls.

March 23, 1909.
Alameda to San Francisco, California.

This morning I saw a number of Scaup ducks in the water off the seawall west of Fifth Street station.

Along the mole there were two ducks asleep and a large number of gulls on the sand. There were quite a few ducks in the water — Scaups, Scoters, and two Œdemia perspicillata. I saw a drake Merganser serrator flying.

March 24, 1909.
Alameda to San Francisco, California.

It was low tide this morning. There were lots of gulls on the sand near the mole; I saw also several Scaup ducks feeding. In the water I saw Scaup ducks, Scoters, one or two Clangula clangula, and 1 Merganser serrator.

On the return trip I saw a good many Larus californicus, mostly adults, and a few Larus glaucescens on the San Francisco side. Along the mole the tide was high, and I saw a few Scaups and Scoters.

March 25, 1909.
Alameda to San Francisco, California.

This morning there were a good many gulls on the sand along the mole, the tide being low. I also saw one Aristonetta valisineria

and two or three Scaups feeding on the sand. In the water about the usual numbers of Scoters and Scaups were seen. One Echinophorus occidentalis was seen near the western end of the mole.

Traversing while crossing the bay, eastward, quite were common, Larus californicus being a little commoner than Larus glaucescens. Saw a small quite, raft Laurie rocky d. near the San Francisco Ferry Building. The Larus californicus are posting all adjacent unoccupied docks. [illegible] feeding [illegible]; [illegible] is not a feeding ground.

[illegible] Pelecanus fuscus californicus and seven ducks and one cormorant southbound.

It was high tide this evening, and I saw [illegible] ducks on the water along the mole. Close to the rocks was a bird of the Pelecanus fuscus californicus. One of the Echinophorus occidentalis. A cormorant was seen busily engaged in fishing a little to the train [illegible]; it was flapping its wings in the water [illegible] duck does.

March 26, 1909.

Alameda to San Francisco, California.

This morning the tide was low. Along the seawall west of Fifth Street Station there were about a

dogs. Larus philadelphia flittering over the water, occasionally resting with outspread wings on the surface for a moment while picking up some object of food. Along the mole were the usual large number of gulls and a few ducks on the water. On the water quite active scaup and occasional Scoters were seen.

This evening the usual Larus californicus and Larus glaucescens were seen on the bay. It seems to me that the latter are becoming scarce. One duck south. long

Along the mole this evening there were a few Canvas and scoters. A fine adult male Edemia perspicillata was seen close to the shore. Also one Edemia deglandi.

March 27, 1909.

Alameda to San Francisco, California.

On the sand exposed by the retreating tide near the mole this morning was the usual large number of gulls, ~~and the usual~~

Both this morning and evening the following ducks were seen on the water along the mole, The great bulk being the usual large numbers, Scaups, Scoters, Edemia perspicillata, Edemia deglandi, Clangula hiemalis.

While in the back yard this morning about twenty cormorants flew over in a northeasterly direction; my book was called to them.

~~Along~~

March 29, 1909.
Alameda to San Francisco, California.

Along the mole this morning and evening a few Scaup ducks were seen on the water, also one cormorant flying. On the sand exposed this evening were hundreds of gulls. On the bay were Larus occidentalis and Larus californicus were seen this evening.

Yesterday I saw several pied-billed Grebes at home.

March 30, 1909.
Alameda to San Francisco, California.

This morning there were a few ducks in the water along the mole, mostly Scaups, several Scoters, and one Clangula clangula being seen.

Along the mole this evening there were a few ducks, Scoters, Scaups, and 1 female Aristonetta vallisneria. There were a large number of gulls on the sand. One Ardea herodias in slough; looks like stick.

March 31, 1909.
Alameda to San Francisco, California.

There avere very few ducks along the mole to-day. Scaups and Scoters were all that were seen; one Oidemia perspicillata was seen close. There were a few gulls on the sand this evening. Larus glaucescens and Larus

V

californicus were seen on the bay and about the San Francisco water front.

Near High Street, Alameda, I saw two Hirundo erythrogastra on a telephone wire this evening. Think on last morning's trip I saw two in the same place.

~~March~~ April 1, 1909.
Alameda to San Francisco, California.

Along the seawall this morning there were several Edemia perspicillata, the drakes being very conspicuous. Along the mole I saw a flock of nine Aristonetta valisineria, apparently all females, they were bunched close together on the water. There were a number of Merganser and Scoters along the mole, both this morning and this evening. This evening there were a good number of gulls on the sand spoken along the mole.

This evening I noticed a few immature Larus glaucescens on the piles and flying about near the Ferry Building. Adult Larus californicus were the gulls most in evidence. On the bay I saw at least (or a grebe?) flying north low over the water. One Larus philadelphia near the mole.

This morning when feeding the geese I saw several cormorants pass over flying in a south-westerly direction.

April 2, 1909.

Alameda to San Francisco, California.

This morning I saw one cormorant flying over the east end of Alameda in a southwesterly direction.

Along the seawall and mole this morning and this evening there were a few ducks and several gulls.

On the bay this evening I saw the usual Larus glaucescens and Larus californicus, also two Larus philadelphia southbound.

April 3, 1909.

Alameda to San Francisco, California.

This morning I saw two Pipilo fuscus near High Street.

Off the seawall west of Fifth Street were several Oidemia perspicillata. Along the mole I saw several gulls on the water, 4 female Aristonetta vallisneria near the beach at the roundhouse and a few scaups and scoters in the water along the mole.

Along the mole this evening there were quite a few ducks in the water, a flock of 30 or 40 rising as the train passed; they alighted to the westward. On the sand exposed by the receding tide were a good many gulls.

April 5, 1909.

This morning there were quite a few gulls on the sand near the roundhouse. Two Ardea herodias in shallow water. Very few ducks along mole. This evening saw Larus californicus and immature Larus glaucescens on the bay, S. F. side.

April 6, 1909.
Alameda to San Francisco, California.

Both this morning ~~there was~~ and evening there were quite a good many gulls on the sand along the mole. Five ducks were seen, Scoters (Edemia perspicillata) and mergs, and apparently two drake Merganser mergansers, where seen. I saw one cormorant flying.

This evening I saw two Nycticorax nycticorax fare over the house, going Southeast.

April 7, 1909.
Alameda to San Francisco, California.

While the train was going along the seawall this morning a flock of about two hundred sandpipers in close formation passed.

Although the tide was mid out, there were comparatively few gulls on the sand near the mole. Only four ducks were seen along the mole.

This evening when approaching Alameda mole eleven Coot were seen near the mole.

April 8, 1909.
Alameda to San Francisco, California.

The tide was low this morning. Along the seawall west of Fifth Street Station there

were two or three large flocks of sandpipers on the sand, while at the edge of the narrow sea there hovered gracefully and skip-like over the water several Laus Philadelphia.

On the sand exposed along the mole there were ~~several~~ two or three hundred gulls; further back from the water I saw a few Numenius & Limosa. On the water along the length of the mole I saw but very few ducks; the same remarks apply to ducks on the return trip this evening.

This evening I visited Alameda's finest pavement on the San Francisco side; here pleasure seekers were accented by young birds. When approaching Alameda I noted several gulls which had perched on a partially submerged piling. Close to the shore a flock of four Larus californicus and one Larus occidentalis passed flying southwest.

April 10, 1909.
Alameda to San Francisco, California.

Although the tide was out a long ways this morning, there were only about a hundred gulls on the sand near the mole. Last night I saw about as many here in the water. Both this morning and evening there were several ducks (Scaup and Eiders ~~sp~~ specified later) along the mole. This morning I saw one large white bird on the sand.

April 11, 1909.
Alameda, California.

This evening I saw three Victoria Nycticorax flying east from Lincoln Park. Last night I also saw several Nycticorax and heard them calling.

April 12, 1909.
Alameda to San Francisco, California.

It was low tide this morning. On the sand exposed near the eastern part of the mole there were a good many small Larus Brodkorbi and Larus Range mixed. There was also a good concourse of gulls. Ardea herodias, one.

This evening when returning, I saw no gulls on the flats or sheds on the San Francisco side. Larus californicus (nearly all adults) were common on the west side of the bay; an occasional immature Larus glaucescens was seen. Off Goat Island quite a number of Larus philadelphia were seen hovering over drift; many had black heads.

Along the mole the tide was high, and I saw two bunches of ducks, one of 8 or 10, the other of about 20 or 25.

April 13, 1909.
Alameda & San Francisco, California.

Along the western part of the mole both this

~~this~~ morning and evening there were thirty or ~~forty~~ twenty ducks, mostly scaups, on the water. This morning there were a good many sandpipers on a narrow strip of mud exposed ~~near the~~ in the slough near the roundhouse.

I saw four cormorants going south this evening a few approaching Alameda mole. On the bay I saw a few Larus philadelphia, a good many Larus californicus and occasional Larus glaucescens.

April 14, 1909.

Alameda to San Francisco, California.

This morning I saw a small flock of small shore birds flying near the mole. On the water I saw a small flock of gulls. I expected to see practically no ducks, but I was surprised to see about three hundred along the seawall and mole.

April 15, 1909.

Alameda to San Francisco, California.

This morning it was stormy & foggy. I saw a small bunch of gulls on the water near the mole. This morning and evening I saw several scaups and one or two Oidemia perspicillata. Near the roundhouse this morning I saw twenty or more ducks together on the water.

At home this morning I saw two Pyctocorax nycticorax flying southeast high in the air.

April 16, 1909.
Alameda to San Francisco, California.

There were a hundred or so Scaup Ducks along the mole to-day. This evening I saw one large shore bird near the roundhouse and a flock of about twenty curlew (?) on the marsh a little to the south. It was low tide this evening, but there were no gulls on the mud.

This evening I saw two or three Nycticoraxes nycticoraxes flying over the east end of Alameda.

April 17, 1909.
Alameda to San Francisco, California.

There were a large number of curlew (?) and Symphemia semipalmata (?) on the marsh west of First Street this morning. Along the mole, both this morning and evening, there were quite a few Sterna forsteri.

This evening I saw Larus californicus, common Larus philadelphia, a few, and Larus grancescens, one or two young, in the bay. The Larus philadelphia were black-headed.

On the sandbar in the shallow water near the mole this evening I saw two or three Ardea herodias, some sandpipers, and larger shore birds.

April 18, 1909.
Alameda, California.

Saw two Spinus pinus to-day and also yesterday.

April 1, 1909.
Alameda to San Francisco, California.

On the bay I saw one or two Larus glaucescens, lots of Larus californicus, and Larus philadelphia.

Along the route in the water and on the sand I saw a few ducks (Scaups and Edemia perspicillata), two Ardea herodias, a few gulls, and shore birds.

On the marsh west of First Street I saw quite a few curlew (?) this evening.

April 20, 1909.
Alameda to San Francisco, California.

On the mud and sand shoals along the route this morning I saw a good many sand-pipers and near the water's edge a flock of gulls. In the water along the route I saw several Scaup ducks and one Edemia perspicillata.

This evening when returning I saw several immature Larus glaucescens by the bay. Larus californicus very common. I saw a good many Larus philadelphia flying around, the males having a white head.

Last night I saw one or two Nycticorax nycticorax flying south over Alameda.

April 21, 1909.
Alameda to San Francisco, California.

Larus philadelphia, a few; Larus glaucescens, a few young; Larus californicus, common.

Saw two large flocks of ducks on the water and heard geese this evening. Many gulls were hurrying from various directions to join them. As we approached the large flock on the east side of the bay, they began beating up, flying windward in a big circle close to the water. Saw two flocks of about twenty ducks each flying north. ~~Incomplete~~ One flock was of Œdemia perspicillata, with two or three each of Œdemia deglandi and Scaup Ducks mixed in; the other was of Œdemia perspicillata and Scaup Ducks.

Along the marsh there were a few Scaups and Œdemia perspicillata in the water.

On the mud spread along the marsh there were a good many sandpipers, large shore birds, and gulls, also one Ardea herodias.

On the inland west of First Street saw this morning a good many curlew (?) and plovers (?) (or bittern (?).

April 22, 1909.

Alameda to San Francisco, California.

Larus glaucescens, Larus philadelphia, Larus californicus. Sandpipers, curlew (?), and gulls on sand.

One Nyctiocorax nycticorax, at home this evening.

Very few ducks along mole. Small flock flying on bay.

May 3, 1909.
Los Banos, Merced Co., Cal.
Warm and clear. Worked several miles northward.
Zenaidura carolinensis. One or two.
Fulica americana. A few on pond.
Hydrochelidon nigra. A few flocks.
Sterna forsteri. Several.
Squatarola helvetica. Two or three flocks, back-to-bed
Oxyechus vociferus. Common all over plains.
Himantopus mexicanus. Several.
Recurvirostra americana. Very common, in big
flocks. A nest containing four eggs
was found on islet in shallow pond. Lined
with grass.
Macrorhamphus griseus. A few.
Totanus melanoleucus. One.
Tringa pipers. A few.
Phalaropus hyperboreus. Two in pond. &
Nycticorax nycticorax. Very common about
large lake & tramps.
Botaurus lentiginosus. One.
Ardea herodias. Very common.
Anas boscas. Several.
Dafila acuta. Several. Flushed female from
nest in weeds on edge of road; seven eggs.
Nest was bulky, lined with down, which
was dark gray with white tips.
Spatula clypeata. Three or four.
Nettion carolinense. Several. Cripple taken.
Querquedula cyanoptera. Several.
Aythya americana. Drake taken.

Erismatura jamaicensis. One take.
Pelecanus erythrorhynchus. Saw a flock of
about thirty, or so.
Circus hudsonius. Three or four with black backs.
Buteo swainsoni. Saw one.
Asio otus arcticus. Common in dark parts,
on bottom land ground. Quite tame.
Speotyto cunicularia. Common, three are two.
Agelaius ——. Fairly common.
Euphagus cyanocephalus, Cremastes quiscalus,
Xanthocephalus xanthocephalus, Icterus bullocki,
(probably) Icterus bullocki), Sturnella magna, Strumo erythrogaster.
3780 Phalaropus hyperboreus ♀ Merced Co., Cal.; May 3, 1909.
3781 Hydrochelidon nigra ♂ " " " " " "
3782 Recurvirostra americana ♀ Merced Co. Cal., May 3. 1909.
3783 " " ♀ " " " " "
3784 " " ♂ " " " " "
3785 Limnodus griseus ♀ Merced Co., Cal., May 3, 1909.
3786 Actitis macularia ♀ " " " " "
3787 Sterna forsteri ♂ " " " " "
3788 " " ♀ " " " " "

May 5, 1909.
Los Banos, Merced Co., Cal.
Warm & clear; worked several miles southward.
Zenaidura carolinensis. Heard 1 or 2 cooing in town.
Fulica americana. A few in ponds.
Hydrochelidon nigra. Quite a few.
Sterna forsteri. Three or four.

Eq cataróla helvética. One black-bellied.
Oxyechus vociferus. Fairly common.
Totanus melanoleucus. One or two.
Numenius hudsonicus. A few.
Sandpipers. One or two small flocks.
Pisobia americana. A few.
Steganopus tricolor. One.
Macrorhamphus griseus. One.
Ardea herodias. Quite a few.
Nycticorax nycticorax. Large flocks were driven up from large tule swamps, in which they would soon settle again.
Botaurus lentiginosus. Two or three. Heard them also.
Anas boscas. Several.
Aythya americana & Plegadis guarauna were seen by Mr. Beck
Dafila acuta. Several.
Nettium carolinense. Three or four. One or two cripples.
Querquedula cyanoptera. A few.
Aputula clypeata. Three or four.
Erismatura jamaicensis. Two or three.
Land birds were about the same as yesterday except that I saw two or three Cathartes aura and large flocks of Xanthocephalus xanthocephalus in certain tule swamps.

Two or three Dafila acuta which were skinned had broken wing bones which had healed again allowing them to fly. The bird which was nesting had no broken bones, however.

3784 Oxyechus vociferus ♂ Merced Co., Calif., May 5, 1909
3790 " " ♂ " " " " " " "

3791 Oxyechus vociferus ♂ Merced Co., Calif., May 5, 1909
3792 Numenius hudsonicus ♂ " " " " " "
3793 " " ♀ " " " " " "
3794 Botaurus lentiginosus ♂ " " " " " "
3795 Recurvirostra americana ♀ " " " " " "
3796 " " ♂ " " " " " "
3797 Querquedula cyanoptera ♂ Merced Co., Calif., May 5, 1909.
3798 Nettium carolinense ♂ " " " " " "
3799 Querquedula cyanoptera ♀ " " " " " "
3800 Anas boscas ♂ " " " " " "
3801 " " ♂ " " " " " "

May 7, 1909.
Los Banos, Merced Co., California.

We worked in practically the same locality as we did the day before yesterday. Birds were about the same. I took ~~two~~ Aegialitis nivosa and one high-plumaged Stegnopus tricolor. Beck took a Bubo virginianus. All ♂ the birds I skinned had large sexual organs, while a Oxyechus vociferus and a Recurvirostra americana each had an egg about to be laid.

In running over the mud and in the water the Recurvirostra americana hold the head and neck low down in sort of a stooping attitude.

~~A drake Anas boscas [illegible]~~

3802 Aegialitis nivosa ♀ Merced Co., Calif., May 7, 1909.
3803 " " ♂ " " " " " "

3804 Steganopus tricolor ♀ Merced Co., Calif., May 7, 1909.
(3805 Limosa fedoa ♂ Merced Co., Calif., May 1, 1909.
3806 Oxyechus vociferus ♂ " " " " " "
3807 " " ♂ " " " " " "
3808 " " ♂ " " " " " "
(3809 " " ♀ " " " " " "
3810 " " ♀ " " " " " "
3811 " " ♂ " " " " " "
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3816 " " ♂ " " " " " "
(3817 " " ♂ " " " " " "
(3818 " " ♀ " " " " " "
(3819 " " ♀ " " " " " "

(May 24, 1909.
Alameda to San Francisco, California.

This morning I saw two or three Nycticorax nycticorax following the pass left by the tide along the seawall west of Fifth Street. Near the roundhouse there were a number of gulls on the sand.

On May 21 I saw a duck flying over the marsh along Webster Street, Alameda; it looked like an Anas hoscas.

May 25, 1909.
Alameda to San Francisco, California.

This morning I saw two or three Nycticorax

nycticorax along the seawall. Along the mole there were no birds.

In the eastern end of the bay I saw only one gull, and that was flying. In the western part there was a flock of one hundred or two hundred gulls on the water. They appeared to be mostly Larus californicus, in immature plumages approaching the adult, and several Larus occidentalis.

May 27, 1909.

Alameda to San Francisco, California.

I saw a drake Scaup duck on the water off the mole this morning. Aside from him there were no other birds.

May 28, 1909.

Alameda, California.

This evening while walking to Park Street I saw three or four Nycticorax nycticorax fly over going southward.

June 2, 1909.

Alameda to San Francisco, California.

Along the mole there was nothing, although the tide was low. In the bay near some steamers west & south of Yerba Buena I saw a large flock of gulls apparently immature with tardily [illegible] Larus californicus, and some adult Larus occidentalis.

June 5, 1909.
Alameda to San Francisco, California.

This morning the tide was very low, and on some sandspits well to the west of Alameda and just south of the mole I saw quite a few gulls. In the water I saw two Ardea herodias fishing.

June 7, 1909.
Alameda to San Francisco, California.

The tide was very low this morning when I went to the city. At Seventh Street Station I observed quite a number of gulls on the mud at the water's edge. Along the seawall I saw three or four Nycticorax nycticorax fishing in the tidal pools. One Ardea herodias was in the shallow water along the mole.

June 25, 1909.

This morning I saw a flock of about a dozen curlew or godwit near the roundhouse. During the past two weeks I have seen a few gulls, Ardea herodias, and Nycticorax nycticorax while on the trains.

July 2, 1909.

This morning and yesterday noted Larus occidentalis and Larus [illegible] crossing the bay. Herons which I saw were made up of Ardea herodias and Ardea [illegible].

July 3, 1909.

This morning, while the train was passing along the mouth of Fifth Street Station, [illegible] a little sandy shore bird struggling along, flying [illegible] westward.

I rode inside the steamer, but saw Larus heermanni and Larus occidentalis.

July 5, 1907.

Locality: [illegible] marsh on road between Niles, Eden and Alvarado, Alameda County, California. The country was very much like that around the Banos. There were patches of tule, lots of overflowed meadows and [illegible] ponds.

The following species were seen.

Falica americana. A few. [illegible] very quite able to fly, but it [illegible] and was killed. [illegible] last bird dived and [illegible] approached.

Podilymbus podiceps. One shot.

Himantopus mexicanus. One or two. A thick egg shell was found.

Oxyechus vociferus. Fairly common. One pretty [illegible] youngster was brought in dead by a [illegible] taken. The latter tried to ride [illegible] but was caught, while another with it [illegible] good [illegible] escape.

Ardea herodias. Several.

Nycticorax nycticorax. Quite a few in trees west of the Alvarado - Niles road.

Ducks. The ducks were for the most part resting together in the big pond, although occasionally flying through the air, and occasionally feeding from the grass, and I found one Cinnamon Teal in a pond under some willow trees.

Anas boschas. Common. All able to fly. Many with green heads. No doubt many male birds of the year; in fact all of the species except the Scaup Duck, of which one or two females were seen, are known to breed here.

Dafila acuta. A few flying.

Spatula clypeata. Several. A female with all the primaries moulted from one wing was carrying it in the grass.

Nyroca marila. Fairly common. All were able to fly.

Nyroca americana. Fairly common. I saw no red-headed males. In fact most of them were "flappers," some were in an intermediate stage between that and the downy young. Of the latter I saw a dozen which were being convoyed by their anxious mother. We tried to corner these; the mother did a great deal of squawking, and the young escaped to the open pond by diving, appearing on the surface in less than a minute and ducking under as soon as we moved towards them. We then tried a second time, driving the mother away; she stayed at a distance and talked to them, however. We got them into very shallow

...ata, but could not induce them to get on the
land. They escaped diving by diving; my
companion gave chase to the last bird, and the
bird he did the other two made a dash
for the grass, running over the water and
then diving. Two or three little heads could
be seen just sticking up above the water in
the edge of the grass. All but one escaped us.
Crismatura jamaicensis. Fairly common. Two
or three very high males. The remainder
young and females.
Xanthocephalus xanthocephalus. Two or three.
Agelaius cyanocephalus. Three or four.
Cathartes aura. Several soaring.
Botaurus lentiginosus. One.
I saw several nests built of green grass,
the floor of the nest being usually about four
inches above the water. One nest had the grow-
ing grass woven partly over it making a hood
of the dome. My companion said they belonged
to Fulica americana.
Limnella magna. One or two.
Limnis ludovicianus. One

July 6, 1909.

This morning I saw a few gulls and several
Nycticorax nycticorax on the sand along the mole.
On the 4th I saw four Larus Philadelphia
on San Leandro Bay. This morning I noted
Larus californicus and Larus occidentalis on S. F. Bay.

July 8, 1909.

This morning while at home I saw a flock of about a dozen large shore birds fly over in a northwesterly direction.

July 9, 1909.

Vicinity of Alameda, California.

Worked in San Leandro Bay and adjacent marsh and along the south shore of Alameda as far as Sherman Street.

Gulls. Several large ones.

As the tide ebbed large numbers of the shore birds went out of the San Leandro Bay region on the sand flats along the south shore of the city and along the south shore of San Antonio. As it receded they took to the mud flats of San Leandro Bay; and after it got very low I saw occasional large flocks flying over the marsh to the south. All the large flocks of birds were mixed, one species, however, usually far outnumbering the others combined.

Sandpipers. Several small flocks; none shot.

Agassiz's Tern. Saw one.

Hydrochelidon fluviatica. Common. One or two large flocks. Mostly all white-veiled birds; saw perhaps a dozen dark ones out of about one hundred birds. Not as many as usual.

Numenius hudsonicus. Several.

Larus fuscus. Several.

[illegible] one. Next
[illegible] one [illegible] not; it was an adult male [illegible]
Macrorhamphus griseus, Comm. [illegible] that
were shot were [illegible] plumage,
[illegible]

Ardea herodias. Several.

Egretta candidissima.

3820	Egretta candidissima	♂	"	"	"	"	"	C. A. S. No.
3821	"	"	♂	"	"	"	"	C A S No
3822	Numenius hudsonicus	♀	"	"	"	"	"	C A S No
3823	Symphemia semipalmata	♂	"	"	"	"	"	C A S No
3824	"	"	♀	"	"	"	"	C A S No
3825	"	"	♀	"	"	"	"	C A S No
3826	"	"	♀	"	"	"	"	C A S No.
3827	"	"	♀	"	"	"	"	C A S No
3828	"	"	♀	"	"	"	"	C A S No
3829	"	"	♀	"	"	"	"	C A S No
3830	Limosa fedoa	♂	"	"	"	"	"	C A S No
3831	Macrorhamphus griseus	♂	"	"	"	"	"	C A S No
3832	"	"	♂	"	"	"	"	C A S No
3833	"	"	♀	"	"	"	"	C A S No
3834	"	"	♀	"	"	"	"	C A S No
3835	"	"	♀	"	"	"	"	C A S No
3836	"	"	♀	"	"	"	"	C A S No
3837	"	"	♀	"	"	"	"	C A S No
3838	"	"	♀	"	"	"	"	C A S No
3839	"	"	♀	"	"	"	"	C A S No

3840 Macrorhamphus griseus ♀ Alameda, Cal.; July 13, 1909; C. A. S. No.

The entire set of 4 eggs - Took birds which got were shooting and it was found that these were both birds which had bred this year and birds which had not bred but which were in our breeding plumage.

July 13, 1909.

San Leandro Bay, Alameda Co., California.

Shore birds were about as abundant as they were last Friday, but somewhat wilder.

Rallus obsoletus. Beck took one and found nest with seven incubated eggs.

Larus philadelphia (?) Three or four. One in mud with shore birds.

Larus. Two or three large immature gulls.

Sterna tschegrava, several. Beck took black-breasted specimen.

Aegialeus semipalmatus. About a dozen.

Numenius hudsonicus, Limosa fedoa, and Symphemia semipalmata were quite common, the second being seen the least and the third being very common.

Macrorhamphus griseus. Common in flocks

Crymotes scolopaceus. Common in flocks.

Nycticorax nycticorax. One or two. } Wary.

Ardea egretta. Two or three. }

Melospiza maxima and pusilla. Sternella magna were seen.

3841 Aegialeus semipalmatus ♀ Alameda, Cal.; July 13, 1909; C. A. S. No.

3842	Argiolcus semipalmatus	♀	Alameda,	Cal.,	July	13,	1909;	C. A. S. No.
3843	Erennetes pusillus	♂	"	"	"	"	"	C. A. S. No.
3844	"	"	♂	"	"	"	"	C. A. S. No.
3845	"	"	♂	"	"	"	"	C. A. S. No.
3846	"	"	♂	"	"	"	"	C. A. S. No.
3847	"	"	♀	"	"	"	"	C. A. S. No.
3848	"	"	♂	"	"	"	"	C. A. S. No.
3849	"	"	♀	"	"	"	"	C. A. S. No.
3850	"	"	♂	"	"	"	"	C. A. S. No.
3851	"	"	♂	"	"	"	"	C. A. S. No.
3852	"	"	—	"	"	"	"	C. A. S. No.
3853	Macrorhamphus griseus	♀	"	"	"	"	"	C. A. S. No.
3854	"	"	♀	"	"	"	"	C. A. S. No.
3855	"	"	♀	"	"	"	"	C. A. S. No.
3856	"	"	♀	"	"	"	"	C. A. S. No.
3857	"	"	♀	"	"	"	"	C. A. S. No.
3858	"	"	♀	"	"	"	"	C. A. S. No.
3859	"	"	♀	"	"	"	"	C. A. S. No.
3860	"	"	♀	"	"	"	"	C. A. S. No.
3861	"	"	♀	"	"	"	"	C. A. S. No.
3862	"	"	♀	"	"	"	"	C. A. S. No.
3863	Erennetes pusillus	♂	"	"	"	"	"	C. A. S. No.
3864	"	"	♀	"	"	"	"	C. A. S. No.
3865	"	"	♀	"	"	"	"	C. A. S. No.
3866	"	"	♂	"	"	"	"	C. A. S. No.

July 20, 1909.

Went around Bay Farm Island, Alameda Co. Cal.

Warm; light breeze.

Grebe. One off south shore of island. Small species.
Gulls. Several large ones.
[illegible] Philadelphia. Seven on tot. of piling of old railroad bridge in San Leandro Bay. All were worn, some very worn. One had a black head. The others showed signs of immaturity.
Arenaria interpres. One near high shell bank of South Alameda.
Squatarola helvetica. Fairly common. One very black-bellied one.
Numenius hudsonicus. Common.
Limosa fedoa. A few.
Microrhamphus griseus. Common.
Symphemia semipalmata. Common. several which I took abstract to be ~~an~~ immature Hungarian Sandpipers. Saw several small flocks. While on the southeast shore of Bay Farm Island a very large flock & several hundred suddenly passed over me, maneuvering in the distance to the south, flying over the bay.
Ardea herodias. A few. All gray.

This evening I saw several Nycticorax nycticorax flying over town.

3867 Arenaria interpres ♀ Alameda, Cal.; July 20, 1909; C. A. S. No.
3868 Limosa fedoa ♂ " " " " " C. A. S. No.
3869 Symphemia semipalmata ♂ " " " " " C. A. S. No.
3870 " " ♂ " " " " " C. A. S. No.
3871 " " — " " " " " C. A. S. No.
3872 Numenius hudsonicus ♀ " " " " " C. A. S. No.

3873	Numenius hudsonicus	♀	Alameda, Cal.;	July	20,	1909;	C.A.S. No.
3874	Macrorhamphus griseus	♀	"	"	"	"	C.A.S. No.
3875	" "	♂	"	"	"	"	C.A.S. No.
3876	" "	♂	"	"	"	"	C.A.S. No.
3877	" "	♀	"	"	"	"	C.A.S. No.
3878	Limnodromus scolopaceus	♀	"	"	"	"	C.A.S. No.
3879	Macrorhamphus griseus	♂	"	"	"	"	C.A.S. No.
3880	" "	♀	"	"	"	"	C.A.S. No.
3881	" "	♀	"	"	"	"	C.A.S. No.
3882	" "	♂	"	"	"	"	C.A.S. No.
3883	" "	♂	"	"	"	"	C.A.S. No.

July 23, 1909.
Alameda, to San Francisco, Cal.

On the bay I see Larus occidentalis and Larus heermanni

There are a good many large birds at low tide in the light near the roundhouse and a few curlew on the marsh.

Nycticorax nycticorax is not as usual about Alameda.

July 28, 1909.
Alameda to San Francisco, California.

On the bay this morning I saw Larus occidentalis, Larus heermanni, and one Nycticorax nycticorax. I saw several immature gulls, probably Larus occidentalis.

July 31, 1909.

For the past two or three days ~~past~~ I have noticed a good many gulls, apparently Larus occidentalis in the light near the roundhouse, also a fair number of shore birds here and on the marsh. On the bay near Goat Island I have seen a good number of ~~murres~~ murres, one flock of about 20 being seen.

August 10, 1909.

San Leandro Bay, sloughs connecting with it, and the south [illegible] Bay Farm Island, Alameda, Cal.

[illegible] running for quite a ways along the edge of the grass; the other bird I shot as it was swimming across a narrow slough.

Gulls. Three or four large gulls. Shot a nearly adult Larus californicus on the south side of Bay Farm Island.

Arenaria interpres. Four on south side of Bay Farm Island.

Squatarola helvetica. Common. Several black-bellied ones.

Aegialeus semipalmatus. Several.

Numenius longirostris. Two for certain.

" hudsonicus. Common.

Limosa fedoa. Three or four.

Symphemia semipalmata. Common.

Macrorhamphus griseus. Several. Plumage, not full summer

Tringa canutus. Saw about a dozen or more on south side of island. Shot three which still showed a good deal of red on the underparts.

~~Heterodrom~~ Tringa minutilla. One. Although I saw a ~~good~~ many sandpipers and shot over a dozen, all were Ereunetes pusillus with one exception.

Ardea herodias. Not uncommon, occurring singly.

Nycticorax nycticorax. A couple.

Buteo borealis. One over marsh. White rump patch very distinct.

Several nights ago I saw an owl at the corner of Santa Clara Avenue and High Street, Alameda.

Nos. of the Ereunetes pusillus showed ~~signs of~~ some of the ~~i~~ reased breast feathers of the preceding plumage.

3884 Tringa canutus ♀ Alameda, California; August 11, 1909; C. A. S. No.
3885 " " ♂ " " " " C. A. S. No.
3886 " " ♀ " " " " C. A. S. No.
3887 Tringa [illegible] ♀ " " " " C. A. S. No.
3888 Numenius longirostris ♂ " " " " C. A. S. No.
3889 Limosa [illegible] ♀ " " " " C. A. S. No.
3890 Agialitis semipalmata ♂ " " " " C. A. S. No.
3891 " " ♀ " " " " C. A. S. No.
3892 " " ♂ " " " " C. A. S. No.
3893 Macrorhamphus griseus ♀ " " " " C. A. S. No.
3894 " " ♂ " " " " C. A. S. No.
3895 Ereunetes pusillus ♂ " " " " C. A. S. No.
3896 " " ♂ " " " " C. A. S. No.
3897 " " ♀ " " " " C. A. S. No.
3898 " " ♂ " " " " C. A. S. No.
3899 " " ♂ " " " " C. A. S. No.
3900 " " ♂ " " " " C. A. S. No.
3901 Numenius hudsonicus ♀ " " " " C. A. S. No.
3902 Symphemia semipalmata ♀ " " " " C. A. S. No.
3903 Numenius hudsonicus ♂ " " " " C. A. S. No.

August 12, 1909.
South San Francisco, San Mateo Co., Cal.

On the marsh I saw a flock of about 20 Numenius hudsonicus (?) and one Symphemia semipalmata. I saw two Larus dermanus flying over the water.

August 15, 1909.
Alameda, Cal.

Shot a young albino Passer domesticus in the back yard to-day.

3904 Passer domesticus; ♀ Alameda, Cal.; August 15, 1909; C.A.S. No.

August 17, 1909.
San Leandro Bay, sloughs, and straits between Alameda and Bay Farm Island, Alameda Co., Cal.

Saw three or four large flocks of shore birds, mostly of sandpipers and Limnodromus semipalmata.

Rallus obsoletus. Shot one which stood out on mud flat while shooting sandpipers. Flushed two others.

Larus californicus. Several. Shot three immature ones.

Squatarola helvetica. A few.

Aegialeus semipalmatus. Several.

Numenius hudsonicus. A few. Possibly also Numenius longirostris.

Limnodromus semipalmata. Very common.

Macrorhamphus griseus. Several.

Ereunetes pusillus. Very common. Except two, all sandpipers shot were of this species.

Actodromas minutilla. Two shot.

Nycticorax nycticorax. Two or three.

Ardea herodias. A few.

Cormorants (probably Phalacrocorax auritus). A flock of nine passed high over head south of Alameda. Saw three or four flying over marsh.

Melospiza cinerea. Several in marsh.

3905	Rallus obsoletus	♂	Alameda,	Cal.;	August 17,	1909;	C. a. S. No.
3906	Symphemia semipalmata	♀	"	"	"	"	"	C, a, S, No.
3907	"	"	♂	"	"	"	"	C, a, S, No.
3908	"	"	♂	"	"	"	"	C, a, S, No.
3909	"	"	♂	"	"	"	"	C, a, S, No.
3910	"	"	♂	"	"	"	"	C, a, S, No.
3911	"	"	♂	"	"	"	"	C, a, S, No.
3912	Macrorhamphus griseus	♀	"	"	"	"	"	C, a, S, No.
3913	"	"	♂	"	"	"	"	C, a, S, No.
3914	"	"	♂	"	"	"	"	C, a, S, No.
3915	Eremetes pusillus	♀	"	"	"	"	"	C, a, S, No.
3916	"	"	♂	"	"	"	"	C, a, S, No.
3917	"	"	♂	"	"	"	"	C, a, S, No.
3918	Macrorhamphus griseus	♂	"	"	"	"	"	C, a, S, No.
3919	"	"	♂	"	"	"	"	C, a, S, No.
3920	Eremetes pusillus	♂	"	"	"	"	"	C, a, S, No.
3921	"	"	—	"	"	"	"	C, a, S, No.

August 24, 1909.

San Leandro Bay, Sloughs, S. shore Bay Farm Island, Alameda Co., Cal.

Rallus obsoletus. Shot one which was on mud at edge of grass. Called in agony when shot.

Sterna. Several on South shore of Bay Farm Island.

Probably Sterna forsteri.

Larus philadelphia. Two immature ones.

Gulls. Three or four larger gulls.

Cormorants. Two or three flying.

Ardea herodias. Several.

Nycticorax nycticorax. Several.

Arenaria interpres. Several on south shore Bay Farm Island.
Squatarola helvetica. Fairly common. One fine black-bellied one seen.
Oxyechus vociferus. Two in Melrose slough.
Hawk. One small one — (Erchneis sparveria?)
Aegialeus semipalmatus. Two or three.
Calidris arenaria. About ten on south shore Bay Farm Island.
Limosa fedoa. Several.
Numenius hudsonicus. A few.
longirostris. Probably three or four.
Symphemia semipalmata. Common.
Macrorhamphus griseus. A few. One shot was quite ruddy.
Ereunetes pusillus. Common.
Limonites minutilla. That one out of flock of dowitchers.
Ducks. A flock of about twenty passed over us quite low down, while we were in a shallow slough. They appeared to be Dafila acuta.

3922 Calidris arenaria ♀ Alameda, Cal.; Aug. 24, 1909; C. A. S. No.
3923 " " ♀ " " " " " C. A. S. No.
3924 " " ♂ " " " " " C. A. S. No.
3925 " " ♂ " " " " " C. A. S. No.
3926 " " ♂ " " " " " C. A. S. No.
3927 " " ♂ " " " " " C. A. S. No.
3928 Arenaria interpres — " " " " " C. A. S. No.
3929 Squatarola helvetica ♂ " " " " " C. A. S. No.
3930 Oxyechus vociferus ♂ " " " " " C. A. S. No.

3931	Oxyechus vociferus	♂	Alameda,	Cal.;	Aug. 24,	1909;	C. a. S. No.
3932	Limonites minutilla	♀	"	"	"	"	C. a. S. No.
3933	Limosa fedoa	♂	"	"	"	"	C. a. S. No.
3934	Rallus obsoletus	♀	"	"	"	"	C. a. S. No.
3935	Macrorhamphus griseus	♂	"	"	"	"	C. a. S. No.
3936	" "	♀	"	"	"	"	C. a. S. No.
3937	Symphemia semipalmata	♀	"	"	"	"	C. a. S. No.
3938	" "	♂	"	"	"	"	C. a. S. No.
3939	" "	♂	"	"	"	"	C. a. S. No.
3940	Ereunetes pusillus	—	"	"	"	"	C. a. S. No.
3941	" "	♂	"	"	"	"	C. a. S. No.
3942	" "	♂	"	"	"	"	C. a. S. No.

August 27, 1909.

When west of Goat Island this morning I saw five scoters flying south.

August 31, 1909.

San Leandro Bay and sloughs and south shore Bay Farm Island, Alameda Co., Cal.

Gulls. Two or three large gulls.

Arenaria interpres. One in San Leandro Bay, - three or four on south side of island.

Squatarola helvetica. A few. One fine black-bellied individual.

Actidurus semipalmatus. Three or four. The quick jerky fashion in which they feed is very noticeable, the bird coming back to its original standing position after each peck with its beak, and pausing a moment before making the next peck.

Numenius hudsonicus. Several, not as many as usual.
Symphemia semipalmata. Common. They decoy to wounded birds.
Macrorhamphus griseus. Perhaps a dozen. Shot four.
Ereunetes pusillus. Common in fairly good sized flocks.
Limonites minutilla. Fairly common, ~~especially~~ on south shore of Bay Farm Island and in ditch slough. They mix with the above species also.
Ardea herodias. Several.
Nycticorax nycticorax. One.
Phalacrocorax auritus. Probably a dozen, both flying and on the water.

3943 Ardea herodias ♂ Alameda, Cal., Aug. 31, 1909.
3944 Arenaria interpres ♂ Alameda, Cal., Aug. 31, 1909.
3945 Symphemia semipalmata ♀ Alameda, Cal., Aug. 31, 1909.
3946 " " ♂ " " " " "
3947 " " ♂ " " " " "
3948 " " ♀ " " " " "
3949 Macrorhamphus griseus ♀ " " " " "
3950 " " ♂ " " " " "
3951 " " ♀ " " " " "
3952 " " ♂ " " " " "
3953 Limonites minutilla — " " " " "
3954 " " ♀ " " " " "
3955 " " ♀ " " " " "
3956 " " ♀ " " " " "

3957	Limonites minutilla	♂	Alameda,	Cal.;	Aug.	31,	1909.
3958	"	"	♂	"	"	"	"	"
3959	"	"	♀	"	"	"	"	"
3960	Ereunetes pusillus	♂	"	"	"	"	"
3961	"	"	♂	"	"	"	"	"
3962	"	"	♂	"	"	"	"	"
3963	"	"	♂	"	"	"	"	"

September 6, 1909.
San Leandro Bay, Sloughs, and south shore of Bay Farm Island, Alameda County, California.
Rallus obsoletus. Heard three or four and saw one.
Proctopus nigricollis. One.
Terns. One smaller one, apparently Sterna forsteri; two larger ones, perhaps Sterna caspia.
Larus californicus. Two immature ones passed close.
Several other large gulls seen.
Arenaria interpres. Two or three on south shore.
Squatarola helvetica. Fairly common. Two or three black-bellied individuals.
Aegialeus semipalmatus. One in slough.
Aegialitis nivosa. Three on south shore of island. Two shot appeared immature.
Numenius longirostris. Several. This species appeared more numerous than Numenius hudsonicus.
Limosa fedoa. Several in Melrose Slough.
Totanus melanoleucus. Two in San Leandro Bay.
Symphemia semipalmata. Common and noisy when disturbed.

Macrorhamphus griseus. A few. Near a flock of snipe and also stragglers which may have been either this species or the next.
Tringa canutus. One taken in San Leandro Bay.
Limosa fedoa. Abundant.
Ereunetes pusillus. Abundant.
Ardea herodias. Several.
Nycticorax nycticorax. Several.
Ducks. Two or three flocks of about twenty each and also stragglers. Apparently Dafila acuta.
Cormorants. Three or four at distance.
Melospiza cinerea and Geothlypis trichas in marsh. Also one Large hawk.

3964 Aegialitis nivosa ♀ Alameda, Cal.; Sept. 6, 1909
3965 " " ♀ " " " " "
3966 Tringa canutus ♀ " " " " "
3967 Recurvirostra nigricollis ♂ " " " " "
3968 Totanus melanoleucus ♀ " " " " "
3969 Limosa fedoa ♂ " " " " "
3970 Numenius longirostris ♀ " " " " "
3971 " " ♀ " " " " "
3972 " " ♂ " " " " "
3973 " ludovicianus ♀ " " " " "
3974 " " ♀ " " " " "
3975 Hydrochelidon semipalmata ♂ " " " " "
3976 " " ♂ " " " " "
3977 " " ♀ " " " " "
3978 " " ♀ " " " " "
3979 Macrorhamphus griseus ♂ " " " " "
3980 Ereunetes pusillus ♂ " " " " "

3981 Limnites minutilla ♀ Alameda, Cal., Sept. 6, 1909.
3982 " " ♂ " " " " " "
3983 " " ♀ " " " " " "
3984 " " ♂ " " " " " "
3985 " " ♂ " " " " " "

September 9, 1909.

San Leandro Bay and tributary sloughs and around Bay Farm Island, Alameda Co., Calif.

Rallus obsoletus. Saw ten or a dozen along edge of grass in Melrose slough. Heard some calling.

Archimpheorus occidentalis. One.

Larus californicus. Shot a young bird and one adult with the mottled head of a winter bird. Saw a dozen or two dozen large gulls.

Terns. In the vicinity of San Leandro Bay we saw two large terns, either Sterna maxima or Sterna caspia. They were calling. Saw two others on the south shore of Bay Farm Island.

Sterna fluviatilis.} Small terns of this type were
Sterna forsteri.} seen all day in San Leandro Bay, and in the north, west, and south sides of Bay Farm Island. Those seen over San Francisco Bay were working northwest, all were fishing. I shot one Sterna fluviatilis in San Leandro Bay and three or four

Sterna forsteri. Off the west shore of Bay Farm Island I shot only two or three Sterna forsteri against a dozen of more Sterna fluviatilis. Nearly all appeared to be immature birds and about as different as day and night. Not to Sterna forsteri and 15 Sterna fluviatilis. Arenaria interpres. Two on south shore Bay Farm Island.

Egialitis hiaticula. Common. Occasional black-bellied individuals.

~~Tringa dominicus~~. Shot one on south shore Bay Farm Island; was standing with black-bellied bird probably of same species. ~~Doubtless many of the birds I have taken for the other species belonged to this one.~~

Aegialeus semipalmatus. Three or four in Melrose slough.

Aegialitis nivosa. Three on south Bay Farm Island.

Oxyechus vociferus. Several on gravel banks in Melrose slough. Two flocks of about a dozen each flew over calling, southward bound.

Numenius hudsonicus. Several.

Symphemia semipalmata. Three or four large flocks. Occasional stragglers. With the exception of plover and willet large shore birds were noticeably scarce.

Ereunetes pusillus } very common in places. Probably
Actodromas minutilla } the latter were in preponderance.
Shot none, however.

Macrorhamphus griseus. Three or four.
Calidris arenaria. Three on south shore Bay Farm Island - Two immature ones taken.
Phalaropus hyperboreus. One on west shore Bay Farm Island.
Ardea herodias. Unusually numerous to-day.
Rallus. Two large dark colored rails with white ~~tail~~ rump bands were seen in marsh. Rallus borealis (?).
Melospiza cinerea and Passerherbulus princeps in marsh.
Cormorants. Cormorants in pairs, twos and threes were seen all day. Those which came close were Phalacrocorax auritus.

3986 Aquila chrysaetos Goleta, Cal.; Sept. 9, 1907.
3987 Aegialitis nivosa ♂ " " " " "
3988 " " ♀ " " " " "
3989 Calidris arenaria ♂ " " " " "
3990 " " ♀ " " " " "
3991 Aegialitis semipalmatus ♀ " " " " "
3992 " " ♂ " " " " "
3993 Phalaropus hyperboreus ♀ " " " " "
3994 Oxyechus vociferus ♀ " " " " "
3995 Limnochorus occidentalis ♀ " " " " "
3996 Rallus obsoletus ♀ " " " " "
3997 Sterna fluviatilis ♀ " " " " "
3998 " " ♂ " " " " "
3999 " " ♀ " " " " "
4000 " forsteri ♀ " " " " "

Isaw a Stercorarius pursuing a tern outside.

September 20, 1909.
Alameda to San Francisco, Cal.
This morning when the steamer was off Goat Island, I saw a Larus californicus, proceeding southward.
October 4, 1909.
When at Kearny and Washington Streets, San Francisco, this evening I saw three ducks pass over southbound.
October 16, 1909.
During the last few days I have at times noticed several Ardea herodias in the light near the roundhouse, Alameda. At low tide I have also seen large numbers of gulls here, apparently mostly Larus californicus. On the bay I have seen this species and occasional Larus argentatus. I have also seen a few Anas platyrhynchos and occasional cormorants.
October 27, 1909.
San Leandro Bay and sloughs, and around Bay Farm Island, Alameda Co., California.
Rallus obsoletus. Shot one, only one seen; none heard.
Actitis macularia. Two or three.
Small grebes. A few. Shot two (Podilymbus podiceps nigricollis).
Larus philadelphia. Three or four.
Large gulls. Quite a few. Shot one immature Larus californicus and saw other birds of same species.
Squatarola helvetica. A few.
Olidna alpina. Shot two. Saw fair sized flock.
Other sandpipers. Saw a few probably Ereunetes pusillus

and Limosa fedoa, although none were shot. Sandpipers were never so abundant as earlier. Gulls very wild.

Ardea herodias. A few. Fell over. Ducks. A few, a little brown ones, both large flocks and on water. Caught a wounded female Aristonetta valisineria, and saw a Lophodytes cucullatus (?). Others could not identify. Grebes were fairly common south of Bird Farm Island; there were enough for identification were Podiceps nigricollis.

Actitis macularia. One. A large sandpiper with white rump, tail barred white and black.

~~October 27, 1909.~~

4001 Pelidna alpina ♂ Alameda California, Oct. 27, 1909; C.A.S. No.
4002 " " ♂ " " " " " C.A.S. No.
4003 Proctopus nigricollis ♀ " " " " " C.A.S. No.
4004 " " ♀ " " " " " C.A.S. No.
4005 Nettium carolinense ♂ " " " " " C.A.S. No.
4006 Rallus obsoletus ♀ " " " " " C.A.S. No.
4007 Aristonetta valisneria ♀ " " " " " C.A.S. No.

November 3, 1909.

Around Bay Farm Island, Alameda County, California.

On the deep slough I saw one bird — a grebe, which poked its head above the water two or three times. Grebes. Shot six Proctopus nigricollis and saw a number of others. Four of the six were loaded with coal tar.

Sterna. Several, probably Sterna dougalli (?)
Sterna bergii. Fairly common. Quite tame. Distinguished by black edging to tail and wings. Very tame, allowing approach to within a dozen feet when on water.
Larus pacificus. Fairly common. Shares calif-ornicus roosts. An immature Larus ar-gentatus noted.
Squatarola helvetica. (?) A flock of about a dozen passed over the south shore of Bay Harbour Island. Seldom seen. Quite a few.
Limonites baueri. Fairly common. Some fair-sized flocks on the south shore of Bay Harbour Island and of Nuevitas. Over a dozen shot.
Eremetes [illegible]. One shot. Had a wounded leg.
Arden herodias. One.
Dafila [illegible] (Scoters). Several. Probably some distant flocks were also of the Scoters.
Oidemia deglandi. This is the only species recognized among hundreds. Shot three, two of which were coal tar on them. Saw birds in full adult plumage as well as im-mature.
Leporanius. Quite a few; probably Phalacrocorax auritus.
Ibanis. A large one flying over march.

In one place I saw two Oidemia deglandi and one Proctopus nigricollis sitting on a beach preening themselves. At another point I saw a drake Decoy Duck sitting on the beach. I think it had some coal tar on its feathers also.

#008	Pelidna alpina	♂	Alameda,	Cal.;	Nov.	3, 1909.
#009	Ereunetes pusillus	♂	"	"	"	"
#010	Limonites minutilla	♀	"	"	"	"
#011	" "	♀	"	"	"	"
#012	" "	♂	"	"	"	"
#013	" "	♀	"	"	"	"
#014	" "	♂	"	"	"	"
#015	" "	♂	"	"	"	"
#016	" "	♂	"	"	"	"
#017	Proctopus nigricollis	♀	"	"	"	"
#018	" " "	♂	"	"	"	"
#019	Oidemia deglandi	♂	"	"	"	"
#020	Larus argentatus	♀	"	"	"	"

November 7, 1909.
Alameda to San Francisco, California.

This afternoon I went to Golden Gate Park. It was low tide and in the bight near the roundhouse, there were large numbers of gulls and sandpipers on the exposed mud and sand.

On the bay I saw one Larus philadelphia adult near the mole. On the San Francisco side there were a large number of gulls, all of which appeared to be adult and immature Larus californicus.

Along the mole I saw seven Ardea herodias and a cormorant.

In Stow Lake and other ponds in Golden Gate Park there were large numbers of Fulica americana. Also saw one small grebe. All of the ducks seen were in

high plumage, except one or two Anas boscas drakes which were nearly so. The following species were seen: Anas boscas, Chaulelasmus streperus, Mareca americana, Dafila acuta, Spatula clypeata, Fuligula affinis (?).

November 8, 1909.

When going down the mole this morning I saw a large number of gulls and sandpipers on the sand in the bight near the roundhouse.

November 9, 1909.

This morning I saw several Larus philadelphia off the seawall west of Fifth Street Station. Yesterday morning I saw an Arenaria melanocephala (?) fly up from the rocks at this place as the train passed.

November 10, 1909.

This morning when ~~I was~~ waiting for the train at High Street Station at 7:30 I saw a flock of about fifty ducks pass over southward bound. Along the mole I saw a few small grebes and ducks.

November 21, 1909.

Four or five days ago I first noted Larus glaucescens. There were a number of them on the rocks at the mole. At the right stage of the tide there are usually ten or twelve Ardea herodias in the bight near the roundhouse.

December 2, 1909.

For the last two or three days I have noted immense flocks of ducks on the water along the mole. A few sandpipers also seen in bight. Grebes or cormorants ..

December 4, 1909.

Yesterday afternoon when crossing the bay, there were a large number of gulls following the steamer to Oakland Pier. Many passed within two feet of where I was sitting on the upper deck. There were Larus glaucescens in all plumages, an occasional Larus occidentalis, and several Larus californicus.

About the mouth I have noted numerous flocks of ducks. Have seen a good many flying. This morning counted [illegible] hundred coots (Fulica americana) swimming on the [illegible] Bay. Geese and ducks heading down towards the waters of San Leandro Bay.

December 7, 1909.

This morning drove on the forward deck of the ferry steamer. Saw about the usual gulls, a number of flocks of ducks and while near San Francisco nine or ten loons flying north.

December 26, 1909.

This morning drove from the foot of Briggs Avenue out along the Bay Farm Island shore until about opposite Clark Avenue, Alameda. Birds were not abundant although a good many were seen.

Loons. Several. Very wild.

Gulls. Several flocks and single birds flying to northward-northeast. ~~One or two flocks~~ ~~A good many~~ were Larus californicus, apparently, and Philadelphia. Larus glaucescens were recognized.

Sandpipers. Three or four single birds.
Symphemia semipalmata. One.
Ducks. A few. (Probably scarce on account of continued persecution. One Clangula albeola and several Skaup Ducks recognized, also one scoter.
Cormorants. Two or three large flocks flying about, one or two in V-formation. Probably Phalacrocorax auritus.
Melanitta cinerea, Clangula hyemalis (?).

December 27, 1909.
Alameda to San Franaisco, California.

Yesterday I saw several Dendroëca audubonii? they did not have yellow throats) in the fruit trees about our house.

This morning, about 7:15, a dozen or so gulls passed over going in a northwesterly direction. They seem to pass over the town a great deal at this time of year.

Along the route this morning I saw a few small flocks of Ducks, all distant.

On the bay numbers of Larus glaucescens followed the steamer across, two riding a considerable distance on the after flag poles. The birds which flew about the vessel were in various stages. One had but one leg. Two or three Larus californicus, adult, and three or four smaller adult gulls, apparently Larus canus were seen astern of the steamer.

J

Aechmophorus occidentalis
18, 19, 20, 22, 23, 25, 26, 27, 28, 30, 32, 34, 35, 42, 79, 81, 82.
Aegialitis nivosa
57, 77, 78, 80, 81.
Aegialitis semipalmata
64, 66, 67, 70, 71, 72, 74, 75, 77, 80, 81.
Agelaius
55.
Anas boscas
40, 54, 56, 57, 58, 62, 86.
Aphelocoma californica
38.
Ardea herodias
14, 15, 17, 20, 22, 23, 24, 25, 26, 30, 31, 32, 34, 37, 44, 46, 49, 51, 52, 53, 54, 56, 60, 61, 65, 66, 68, 70,
72, 73, 76, 78, 81, 82, 83, 84, 85, 86.
Arenaria interpres
68, 70, 74, 75, 76, 77, 80.
Arenaria melanocephala.
86.
Aristonetta valisneria
10, 24, 27, 29, 30, 31, 32, 35, 37, 38, 39, 40, 41, 43, 44, 45, 46, 83.
Asio accipitrinus
24.
Aythya americana
54, 56, 62.
Botaurus lentiginosus
54, 56, 57, 63.
Bubo virginianus
57,

Buteo borealis
15, 70, 81, 83.
Buteo swainsoni
56.
Calidris arenaria
74, 81.
Cathartes aura
54, 63.
Circneis sparveria
5, 74, 88.
Charadrius streperus
40, 85.
Chen hyperboreus
29.
Chondestes grammacus
55.
Circus hudsonicus
54.
Clangula albeola
40, 88.
Clangula clangula
12, 18, 27, 30, 35, 37, 38, 39, 40, 41, 44.
Colymbus pacificus
29.
Colymbus septentrionalis
19, 23, 31.
Cormorant
4, 5, 6, 9, 10, 16, 18, 19, 21, 23, 25, 26, 27, 28, 30, 32, 33, 40, 42, 44, 45, 46, 47, 50, 72, 73, 78, 81, 82, 84, 85, 86, 87, 88.

Curlew
51, 52, 53, 60, 69.
Dafila acuta
40, 54, 56, 62, 74, 78, 86.
Dendroeca auduboni
88.
Ducks
1, 2, 3, 5, 6. 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 23. 25, 26, 27, 28, 29, 30, 31. 32, 33, 34, 35,
36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 50, 52, 53, 58, 62, 74, 78, 82, 83, 84, 85, 86, 87, 88.
Duck, Scaup
8, 11, 13, 18, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46,
47, 48, 50, 51, 52, 53, 59, 62, 84, 88.
Ereunetes pusillus
66, 67, 70, 71, 72, 73, 74, 75, 76, 77, 78, 80, 82, 84, 85.
Erismatura jamaicensis
24, 55, 56, 58, 63.
Euphagus cyanocephalus
5, 7, 20, 24, 55, 63.
Finch
23.
Fulica americana
15, 40, 54, 55, 61, 63, 85.
Fuligula affinis
40, 86.
Geothlypis trichas
55, 78, 81.
Godwit
60.

Goose
29.
Goose, Ross's
44.
Goose, Snow
29.
Grebe
11, 15, 17, 18, 20, 21, 35, 45, 68, 82, 83, 85, 86.
Gulls
1, 2, 3, 5, 6, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 58, 59, 60, 63, 64, 66, 68, 69, 70, 73, 75, 77, 79, 82, 84, 85, 86, 87, 88.
Hawk
15, 74, 78, 81, 84.
Himantopus mexicanus
54, 61.
Hirundo erythrogaster
45, 55.
Hummingbird
40.
Hydrochelidon nigra
54, 55.
Icterus bullocki
55.
Junco hyemalis
2, 9.
Lanius ludovicianus
55, 63.
Larus argentatus
11, 28, 84, 85, 87.

Larus brachyrhynchus

26, 30, 34, 37, 42.

Larus californicus

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 59, 70, 72, 77, 79, 82, 84, 85, 87, 88.

Larus canus

87.

Larus glaucescens

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 86, 87, 88.

Larus glaucus

36, 37.

Larus heermanni

60, 61, 63, 69, 71, 82.

Larus occidentalis

37, 59, 60, 61, 63, 69.

Larus philadelphia

3, 25, 34, 43, 45, 46, 48, 49, 50, 51, 52, 53, 63, 66, 68, 73, 82, 84, 85, 86, 87.

Limonites minutilla

70, 71, 72, 74, 75, 76, 77, 78, 79, 80, 83, 84, 85.

Limosa

48.

Limosa fedoa

64, 65, 66, 68, 70, 74, 75, 77, 78.

Loon

4, 5, 6, 7, 9, 10, 11, 12, 15, 16, 17, 18, 21, 27, 29, 31, 40, 45, 87.

Lophortyx californicus

2, 40, 49.

Macrorhamphus griseus
54, 56, 65, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 78, 81.
Mareca americana
40, 86.
Melospiza cinerea
24, 66, 72, 78, 81, 88.
Merganser serrator
26, 29, 38, 41, 47.
Neitium carolinense
54, 56, 57, 62, 83.
Nightingale, Japanese
1.
Numenius
48.
Numenius hudsonicus
56, 57, 64, 65, 66, 68, 69, 71, 72, 74, 76, 77, 78, 80.
Numenius longirostris
70, 71, 72, 74, 77, 78.
Nycticorax nycticorax
20, 39, 47, 49, 50, 51, 52, 53, 54, 56, 58, 59, 60, 61, 63, 65, 66, 68, 69, 70, 72, 73, 76, 78.
Œdemia deglandi
23, 43, 53, 83, 84, 85.
Œdemia perspicillata
1, 7, 23, 25, 29, 32, 34, 35, 38, 39, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 52, 53,
Oriole
55.
Owl
70.
Oxyechus vociferus
54, 56, 57, 58, 61, 74, 75, 80, 81.

Passer domesticus
2, 5, 10, 18, 24, 38, 72.
Pelecanus californicus
82.
Pelecanus erythrorhynchus
54.
Pelidna alpina
82, 83, 84, 85.
Phalacrocorax
3, 24, 69.
Phalacrocorax auritus
17, 19, 22, 27, 34, 36, 37, 39, 40, 72, 76, 81, 84, 87, 88.
Phalaropus hyperboreus
54, 55, 81.
Pipilo fuscus
2, 8, 15, 21, 46.
Pipilo maculatus
39.
Plegadis guarauna
56.
Plover
52, 80.
Podilymbus podiceps
61.
Proctopus nigricollis
77, 78, 82, 83, 84, 85.
Quergiedula cyanoptera
54, 55, 56, 57, 62, 83.

Rallus obsoletus
66, 70, 71, 72, 73, 75, 77, 79, 81, 82, 83.
Recurvirostra americana
54, 55, 56, 57.
Sandpiper
1, 24, 35, 47, 48, 50, 51, 52, 53, 54, 56, 64, 68, 70, 72, 74, 82, 83, 85, 86, 88.
Scoter
2, 3, 4, 7, 13, 16, 27, 31, 32, 33, 34, 35, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 75, 83, 84, 88
Shearwater
8.
Sparrow
24.
Spatula clypeata
40, 54, 55, 56, 62, 86.
Speotyto cunicularia
55.
Spinus pinus
38, 51.
Squatarola helvetica
54, 56, 64, 65, 66, 68, 70, 72, 74, 75, 77, 80, 81, 82, 84.
Steganopus tricolor
56, 57, 58.
Stercorarius
81.
Sterna caspia
77, 79.
Sterna fluviatilis
79, 80, 81.
Sterna forsteri
17, 54, 55, 73, 77, 79, 80, 81, 84.

Sterna maxima
79.
Sturnella magna
14, 24, 30, 55, 63, 66.
Symphemia semipalmata
51, 65, 66, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 80, 88.
Teal, Cinnamon
62,
Tern
17, 29, 73, 77, 79, 81, 84.
Totanus melanoleucus
54, 56, 77, 78.
Tringa canutus
70, 71, 78.
Tyrannus vociferans
55.
Uria troile
69.
Willet
53, 80.
Xanthocephalus xanthocephalus
56, 63,
Zenaidura carolinensis
54, 55.
Zonotrichia leucophrys
2, 16, 18, 19, 20, 21, 24, 39, 44.

Ornithological Notes

1910

Edward Winslow Gifford

January 2, 1910.

Saw Leandro Bay, and through along its south shore of Bay Farm Island, Alameda Co., California.

Gulls. A few large ones at a distance at times.

Sandpipers. Several single birds and two or three flocks, the largest containing probably thirty birds. They looked to be Limonites minutilla.

Saw two or three larger ones, probably Pelidna alpina.

Ducks. Saw two or three small flocks flying. (Hunters were very abundant.)

Several Melanitta carunculata were seen closely enough to be identified.

Cormorants. A few. One which came quite close was a Phalacrocorax dubius with a whitish patch of feathers on its breast. I think that all we saw were of this species.

Heliornis a cinerea. Several.

Late this afternoon I saw about a dozen large gulls circling high in the air above San Leandro Bay.

January 9, 1910.

For three or four mornings past I have seen several very large flocks of ducks on the water south of the whole.

Last evening when coming down Briggs Avenue, I heard a Nycticorax Nycticorax call.

4021; Æx galericulata & Aviary, Alameda, Cal.; Jan. 9, 1910; C.A.S. No. 16177.

January 11, 1910.
San Francisco, California.

This morning when on Bush St. near Gough about elevens'clock I saw four Larus glaucescens (immature) flying in an easterly direction towards the bay.

January 13, 1910.

This morning I saw a flock of about thirty sandpipers in the light near the round house, Alameda, Cal. There were several flocks of ducks flying and large flocks on the water along the mole.

Larus glaucescens is the predominant gull. This morning I saw a dozen or so on the piles close to the building on the south side of Alameda Pier.

January 14, 1910.

This morning there was a flock of about forty sandpipers on the beach near the roundhouse. On the water south of the mole there were several large flocks of ducks, all too distant to be identified. While standing in the back yard at 3256 Briggs Avenue this morning, I saw a pair of ducks flying over the east end of town, my attention being attracted to them by the whistling of their wings. They were flying high.

January 23, 1910.

During the past week ducks have been abundant on the water south of the mole. [illegible] identified as Canvas-backs, but do not know of [illegible]. Cinclus have also been noted. On the beach near the roundhouse, a good sized flock of sandpipers is occasionally seen.

This morning it has been stormy and I have seen about a dozen ducks flying over the east end of Alameda, sometimes singly, sometimes in twos or threes. I have noticed two or three flocks of blackbirds, apparently Euphagus cyanocephalus, fly over also.

January 26, 1910.

The days are now becoming decidedly longer, and [illegible] an occasional one is seen in the evening about 5:45, the [illegible] gone to roost. [illegible] on the Encinal docks of the ferry steamers.

February 3, 1910.

Near Vine Point, Contra Costa Co., Cal., this morning I saw a Botaurus lentiginosus. It was beside a pool in a grassy hollow between the tracks of the S. P. and Santa Fe. It did not fly as the train passed. Between Antioch and Black Diamond, I saw over three Xanthocephalus xanthocephalus in a very large flock of other black birds.

February 15, 1910.
Alameda, California.

I saw three or four Dendroeca audubonii about the place to-day. Two I saw were busily engaged in examining a rose bush.

During the day I saw several flocks of ducks fly out towards the bay. They flew very high and were probably driven out by hunters.

February [illegible], 1910.
Alameda, California.

To-day, while sitting in the back yard, I saw ~~a~~ a Dendroica audubonii catching insects; it made short dashes, returning each time to the limbs of ~~a tree~~ a fig tree and a cherry tree close beside it.

Shortly after noon I walked down to the beach at the foot of our street. It was a very low tide, and aside from one or two gulls, and some distant ducks in the water, I saw one ~~great~~ Ardea herodias standing in the water near the old draw bridge.

February 17, 1910.

When it was low tide ~~[illegible]~~ this afternoon, I strolled down to the foot of Briggs Avenue, Alameda, California. Out in the narrow channel were a couple of Ardea herodias fishing and a large number of ducks in the water along the edges of the channel. The ducks were much more abundant than usual, probably because they are now unmolested.

I saw a couple of small Sterna flying over the mud towards the outer bay.

February 18, 1910.

Melrose, Alameda County, California.

Along High Street this afternoon I saw one Lanius ludovicianus and a mixed flock of Zonotrichia leucophrys and Passer domesticus. Several Sturnella magna were heard singing.

February 19, 1910.

Alameda, California.

I walked to the foot of Briggs Avenue this afternoon. The tide had ebbed leaving only a very narrow channel. There were a good many ducks and several cormorants in this. On the Alameda side of the channel, near the entrance of the tidal canal, I saw a number of shore birds on the mud, they looked about the size of plovers.

February 20, 1910.

Alameda to San Francisco, Cal. and return.

Conditions: A. M.; clear, partially; very little wind.

Along the mole there were several good-sized, but distant flocks of ducks. Occasional straggling Scaup ducks and Scoters were seen closer.

On the bay Larus glaucescens was abundant. One or two Larus californicus and one Larus argentatus were seen. There were large flocks of gulls around the warships in the harbor. Many Larus glaucescens on the hurricane decks of ferry boats; nearly all seen were in mature. Large numbers on piles. Some "singing."

February 21, 1910.
San Leandro Bay and around Bay Farm Island, Alameda Co., California.
Conditions: Overcast; moderate temperature; light south westerly winds.

Grebes. I saw several small grebes. I shot one Dytes auritus in San Leandro Bay.

Loons. Two or three.

Terns. Three or four small terns.

Larus philadelphia. Two or three in mixed flocks of gulls circling over wounded birds.

Larus canus. Shot one. Saw others.

Larus glaucescens. Shot one immature one. Saw others.

Larus argentatus. Shot two adults.

Larus californicus. Saw two or three. Among the numerous large gulls seen, I saw some that looked like Larus delawarensis. In several places we saw large flocks of gulls circling high in the air just as they are often seen off the San Francisco water front towards evening.

All of the shore birds were seen in San Leandro Bay and the marshes. In the former place they were numerous on the mud flats at low tide. All were wary.

Squatarola helvetica. Fairly common. Calling a lot.

Macrorhamphus griseus. Several flocks probably of this species.

Pelidna alpina. Two or three flocks of large sandpipers which I took to be this species.

Sandpipers. Several flocks of small sandpipers, probably Limonites minutilla or perhaps Ereunetes pusillus.

Ardea herodias. Several.

Aristonetta valisineria. Common
Fuligula marila. Shot one. I presume that the numerous Scaup Ducks seen were probably both of this species and Fuligula affinis. (Males were in the preponderance.
Clangula clangula. Common. Shot one drake.
Edemia deglandi. Commonest outside.
Edemia perspicillata. Commonest outside.
Erismatura jamaicensis. Two in slough.

Ducks were numerous, occurring in flocks of all sizes, and singly. In the afternoon when the tide went out large numbers of Scaup Ducks and Canvasbacks were feeding in the shallow water along the mud flats in San Leandro Bay.

Circus hudsonius. One in marsh, blue above, white below.

Asio accipitrinus. Shot one in marsh.

Lanius ludovicianus. One on south shore of Bay Farm Island.

Geothlypis trichas. One in marsh.

Heloderia cinerea. Saw 2 or 3 pairs in marsh and presume they were of this species.

Cormorants. Common, singly and in flocks. Probably Phalacrocorax auritus.

#022; ♂ Fuligula marila ♀ Alameda, Cal.; Feb. 21, 1910. Crab in gullet. Iris yellow.

#023; ♂ Edemia perspicillata ♀ Alameda, Cal.; Feb. 21, 1910. Beginning to assume duck plumage. From sexual organs, a young male. Dissected.

4024; Asio accipitrinus ♂ Alameda, Cal.; Feb. 21, 1910.
4025; Larus canus ♀ " " " " " .. Feet blush in color.
4026; Dytes auritus ♂ " " " " "
4027; Larus argentatus ♀ " " " " "
4028; Clangula clangula ♂ Alameda, Cal.; Feb. 21, 1910. Iris yellow.

February 22, 1910.
Alameda, California.

While walking near High Street and Santa Clara Avenue, I saw two or three Nycticorax nycticorax flying near some tall coniferous trees in which they roost.

February 23, 1910.
San Leandro Bay, Alameda, California.
Conditions: Overcast; warm; very light southerly winds.

Early this morning just as I was starting out I heard one or two rails calling.

Larus. One.

Terns. Quite a number of small ones. Shot one Sterna forsteri.

Larus philadelphia. Several.

Larus argentatus. Shot two or three young ones. Also one adult with light yellow iris and lemon yellow eye-lids.

Larus glaucescens. Shot one immature one.

Saw other large gulls, adult and young, which appeared to be Larus californicus and Larus argentatus.

Aquatarola helvetica. Fairly common at low tide.

Macrorhamphus griseus ?). One or two flocks.

Ereunetes alpina (?) Several.

Ereunetes pusillus. Shot three. Mixed in with next species.
Limonites minutilla. Very common. Shot about forty. At high tide I noticed flocks lighting on the marsh grass that had been bent over some the water. In some places they would swarm on to a small patch of grass.

As the tide falls and the mud becomes exposed, the shore birds immediately begin to arrive. Most of the flocks come from a southeasterly direction.

Ardea herodias. About a dozen.
Rapila acuta (?) Flocks of about a dozen.
Anas Ducks. Common. Caught one crippled Fuligula affinis. Scaup Duck.
Cristonetta valisineria. Common.
Clangula clangula. Common.
" albeola. Three.
Cormorants, Common. Apparently Phalacrocorax auritus.
Heterodactylus Tricolas. One adult in marsh.
Nycticorax cinerea. As usual.

February 25, 1910.
Alameda, California.

4029 Sterna forsteri; ♂; Alameda, California; Feb. 23, 1910.
4030 Ereunetes pusillus ♀ " " " " "
4031 Larus argentatus ♀ " " " " "
4032 " ♀ " " " " "
4033 " ♀ " " " " "

4034 Larus glaucescens ♂ Alameda, Cal.; Feb. 23, 1910.
4035 " [illegible] ♂ " " " " "
4036 Limonites minutilla ♀ " " " " "
4037 " " ♀ " " " " "
4038 " " ♂ " " " " "
4039 " " ♂ " " " " "
4040 " " ♀ " " " " "
4041 " " ♀ " " " " "

February 25, 1910.

Alameda to south shore of Bay Farm Island and return, making many detours into side sloughs, Alameda Co., Calif.

Grebe. One.

Loon. One.

Terns. Small terns were common.

Gulls. One Larus philadelphia. Many large gulls: Larus argentatus, shot; Larus glaucescens, seen; Larus californicus, seen; Larus delawarensis, taken by Beck both to-day and on the 23rd.

Squatarola helvetica. Quite a few on south shore of Bay Farm Island in company with some sandpipers.

Ardea herodias. One or two.

Aristonetta vallisneria. Common.

Fuligula marila. A few. Mostly drakes.

" affinis. Caught crippled female.

Clangula clangula. Common. Mostly drakes.

Erismatura jamaicensis. One.

Scoters. Several. Some in sloughs.

Phalacrocorax auritus. Very common. A flock of about 100 in San Leandro Bay in morning. Fly high. Some with white breasts.

4042 Clangula clangula ♂ Alameda, Cal.; Feb. 25, 1910.
4043 " " ♂ " " " " "
4044 Fuligula marila ♂ " " " " "
4045 " " ♀ " " " " "

February 28, 1910.

Went through the deep slough from San Leandro Bay to the south shore of Bay Farm Island this afternoon. Birds were common on San Leandro Bay; a good many were seen in the marshes; while off the south shore of Bay Farm Island there were comparatively few birds, a number of ducks being seen in the distance on the water offshore. One loon flew by while I was on the south shore of Bay Farm Island.

Terns. A few small ones.

Grebe. One small one.

Gulls. Several large ones.

Sandpipers. A flock of about twenty flew by while we were in San Leandro Bay.

Ardea herodias. One or two.

Ducks. Common. While coming through the south end of the slough three or four flocks passed over southbound. Chaulelasmus streperus, several. Pintail Ducks, several. Clangula clangula, common, especially drakes. Edemia perspicillata, two or three. Edemia deglandi, one or two. Glaucionetta islandica, common, two or three large flocks. Not all of the individuals are black, some having large light-colored patches on breast.

March 1, 1910.
Alameda to San Francisco, Cal.
Conditions: Moderate temperature; N. NW.; foggy.

This morning I saw a number of ducks and several Ardea herodias close to the mole.

On the piling at the pier there were twenty or thirty gulls, Larus argentatus and Larus californicus being recognized.

March 2, 1910.
San Francisco, California.

To-day was beautiful — warm and clear and not windy. While on the ferry boat this evening I saw the following gulls while the steamer was in the slip. ~~All Juv.~~

Larus occidentalis. I saw two or three fine adults ~~flying~~ flying off a little ways from the slip.

Larus argentatus. Three or four immature ones. They roost on the piling also.

Larus californicus. One immature one.

Larus glaucescens. Common. All immature.

After we had gotten in the vicinity of Goat Island I saw a beautiful adult Larus glaucescens on the water. An immature Larus canus flew by, as well as several Larus glaucescens. One of the latter rode on one of the ferry boats for about a mile.

This morning I saw a grebe while the train was going from the mole. Several scoters this evening.

March 7, 1910.
San Leandro Bay and sloughs to northeast, Alameda County, California.
Conditions: Foggy in early morning. Warm; clear; light winds remainder of day.

Terns. A few probably Sterna forsteri.

Gulls. Few. Shot one immature Larus argentatus.

Squatarola helvetica. Common at low tide. Last of season as the first mud is uncovered these birds begin to appear. At high tide an occasional flock of two hundred is seen.

Macrorhamphus griseus. Common. Two I shot are beginning to show summer plumage.

Ereunetes pusillus. Shot one from flock; several others were around. All the ~~ones~~ I shot were Pelidna alpina, which were in flocks of good size. I presume Limonites minutilla was present although I ~~did~~ not none.

Ardea herodias. Several.

Ducks. Common in San Leandro Bay, few in sloughs. Scaup Ducks and Clangula clangula recognized.

Phalacrocorax auritus. Quite a few. Four on stakes.

Larus occidentalis, one; Larus heermanni, one; Otocoryx alpestris, several; Agelaius phoeniceus in large flocks; Sturnella magna; a few.

4046 Agelaeus phoeniceus ♀ Alameda, Cal.; Mar. 9, 1910.
4047 Pelidna alpina ♂ " " " " "
4048 " " ♀ " " " " "
4049 " " ♀ " " " " "
4050 " " ♂ " " " " "
4051 " " ♀ " " " " "
4052 Macrorhamphus griseus ♂ " " " " "
4053 " " ♂ " " " " "
4054 Larus argentatus ♂ " " " " "
4055 Squatarola helvetica ♂ " " " " "
4056 Asio accipitrinus ♀ " " " " "
4057 Circus hudsonius ♂ " " " " "

June 19, 1910.

I saw a dozen Black-bellied Plover (Squatarola helvetica) in winter plumage on south side Bay Farm Island to-day.

July 11, 1910.

San Leandro Bay, Alameda Co., Cal. P.M.

Two or three fair-sized flocks of large shore birds seen. Symphemia semipalmata and Numenius hudsonicus taken. — Adults. Had bred.

Three or four sandpipers seen. One large gull. Several Nycticorax nycticorax and Ardea herodias.

4058 Symphemia semipalmata ♂ Alameda, Cal., July 11, 1910.
4059 " " ♂ " " " " "
4060 " " ♀ " " " " "
4061 " " ♂ " " " " "
4062 " " ♀ " " " " "
4063 Numenius hudsonicus ♀ " " " " "

July 13, 1910.

Around Bay Farm Island, Alameda Co., Cal.

Gulls. Two or three species.

Terns. One large, one small.

Sphyrapicus thyroideus. Several.

Numenius hudsonicus. A few.

Limosa fedoa. Several.

Symphemia semipalmata. A few.

Ereunetes pusillus. Six shot.

Limosa haemastica. One shot.

Charadrius. A few.

Ardea herodias. Several.

Nycticorax nycticorax. Several.

Hesperiphona vespertina. Several. One duck shot.

Strix pratincola. Several. One duck shot.

Asio accipitrinus. One shot.

4064 Ereunetes pusillus ♂ Alameda, Cal.; July 13, 1910.

4065 " " ♀ " " " " "

4066 " " ♀ " " " " "

4067 Asio accipitrinus ♀ " " " " "

4068 Nycticorax nycticorax ♂ " " " " "

July 15, 1910.

San Leandro Bay, Alameda Co., Cal.

Ereunetes pusillus. Quite a few.

Macrorhamphus griseus. A few.

Aegialeus semipalmatus. Shot one.

Symphemia semipalmata. A few.

Numenius longirostris. Shot one.

Numenius hudsonicus. Quite a few.
Ardea herodias. Two or three.
Nycticorax nycticorax. Two or three.

4069 Ereunetes pusillus ♂ Alameda, Cal., July 15, 1910.
4070 " " ♂ " " " " "
4071 Macrorhamphus griseus ♀ " " " " "
4072 Numenius longirostris ♂ " " " " "
4073 " hudsonicus ♀ " " " " "
4074 " " ♀ " " " " "

November 27, 1910.
East Alameda, California.
Conditions: Cool; overcast; southeast wind in morning.
Two or three Anthus sensilvanicus at end of Briggs Avenue. Heard an Aphelocoma californica on Pearl Street. Saw an adult male Calypte anna getting honey from flowers. Off the foot of the street, I saw three Harporhynchus lecontei which were very wild, taking flight even though they were far out of gun-shot range.
Alameda to San Francisco, Cal. Time A.M.
Grebe. A small one near mole.
Gulls. Larus glaucescens, young; Larus californicus, fully immature; Larus occidentalis, immature and adult.
Ducks. Quite a few flying and on water. All to distant for certain identification.
Phalacrocorax auritus. One with light underparts on pile at mole. One large flock and many stragglers.

Loons. Two or three on bay.

December 18, 1911.

Clouds & fog. Oakland, California. Air light blue: Conditions: Moderate temperature; north wind; clear.

The only certainly identified birds were a number of Sturnella magna in the fields along the roads, and one Lanius ludovicianus which I saw light in a tree. A number of Passer domesticus were seen near dwellings; also a large hawk or vulture high up in the air. Saw several unidentified small birds.

December 19, 1911.

I saw a large number of gulls on the mud pumped up near Lake Merritt, Oakland, California.

Aegialeus semipalmatus, 15.
Ex galericulata, 2.
Agelaeus phoeniceus, 13, 14.
Anthus pensilvanicus, 16.
Aphelocoma californica, 16.
Ardea herodias, 4, 6, 9, 10, 11, 12, 14, 15, 16.
Aristonetta valisneria, 7, 9, 10, 11.
Asio accipitrinus, 7, 8, 13, 14, 15.
Blackbird, 3.
Botaurus lentiginosus, 3.
Calypte anna, 16.
Canvasback, 7.
Carbonaria sparveria, 7.
Circus hudsonius, 7, 13, 14.
Clangula albeola, 7.
Clangula clangula, 1, 7, 8, 9, 13, 11, 10, 15, 16.
Cormorant, 15, 71.
Dafila acuta, 9.
Dendroica auduboni, 8.
Ducks, 1, 2, 3, 4, 5, 7, 11, 12, 13, 16.
Duck, decoy, 3, 5, 7, 9, 11, 13.
Dytes auritus, 6, 8.
Ereunetes pusillus, 6, 9, 13, 15, 16.
Erismatura jamaicensis, 7, 10.
Euplagus xanthocephalus, 3.
Finches, 7.
Fuligula affinis, 7, 9, 10
Fuligula marila, 7, 9, 11.
Geothlypis trichas, 7, 9.
Grebe, 6, 10, 11, 12, 16.
Gull, 1, 2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16.
Hawk, 17.
Lanius ludovicianus, 5, 7, 17.
Larus argentatus, 5, 6, 8, 9, 10, 12, 13, 14, 16.
Larus californicus, 5, 6, 8, 10, 12, 16.
Larus canus, 6, 8, 12.
Larus delawarensis, 6, 10.
Larus glaucescens, 2, 3, 5, 6, 8, 10, 12, 16.
Larus occidentalis, 12.
Larus philadelphia, 6, 8, 10.
Limosa fedoa, 15.
Loon, 3, 6, 8, 10, 11, 17.
Macrorhamphus griseus, 6, 9, 10, 12, 16.
Merganser, 1, 7, 9.
Numenius hudsonicus, 14, 15, 16.
Numenius longirostris, 15, 16.
Nycticorax nycticorax, 1, 8, 14, 15, 16.
Oidemia deglandi, 7, 11.
Oidemia perspicillata, 7, 11.
Otocoris alpestris, 13.
Pandion haliaetus, 5, 17.
Pelidna alpina, 1, 6, 8, 13, 14.
Phalacrocorax auritus, 1, 7, 9, 10, 11, 13, 16.
Plover, 5.
Rail, 8,

Sandpiper, 1, 2, 3, 6, 10, 11, 13, 14, 15.
Scoter, 5, 10, 12, 15.
Shore-bird, 5, 6, 9, 13, 14.
Squatarola helvetica, 6, 8, 10, 13, 14, 15.
Sterna, 5.
Sterna forsteri, 8, 9, 13.
Sterna [illegible], 5, 13, 17.
Symphemia semipalmata, 14, 15.
Tern, 6, 8, 10, 11, 13, 15.
Vulture, 17.
Xanthocephalus xanthocephalus, 5.
Zonotrichia querula, 5.

ORNITHOLOGICAL NOTES - 1911

Edward Winslow Gifford

January 2, 1911.

When near the summit of Mission Peak, back of Mission San Jose, Alameda Co., Cal., an Aquila chrysaëtos flew by within gun-shot range. It was bitter cold with a very strong north wind blowing.

January 22, 1911.

Stow Lake, Golden Gate Park, San Francisco.

Great numbers of Fulica americana were very tame and bold. Occasionally one would raise another for a short time, going in the water, but, bounding along at a great rate.

Of wild ducks, not enumerated, the following were seen, mostly being very abundant:

Anas boscas, a dozen. Mixed flocks.

Nyroca americana, a dozen. Mixed flocks.

Lophodytes cucullatus, two flocks, of 5 each.

Clangula albeola, about twenty. Mixed flocks.

Aquila chrysaëtos. } Each one common.

" canadensis. }

Fuligula affinis. One fine flock.

Erismatura jamaicensis. Eastern members were very conspicuous owing to the nearly vertical position in which they held their tails.

On the lake at the Ferry Building, S. F., there were a large number of Larus glaucescens; all but one were immature. One or two gull with black primaries — not sure if atricilla.

January 23, 1911. Two members of Larus glaucescens flying about Seaver's room this morning at 5:25.

January 24, 1911.
Alameda to San Francisco, Cal.
Overcast; raing; rather cold. After deck of ferry boat both ways.

Along the seawall and the mole I saw a few ducks, one of which was close enough to be recognized as an Œdemia deglandi, as he flew up. Two or three gulls were seen flying. On the piles at the mole were half a dozen young Larus glaucescens.

In crossing the bay I saw one distant duck in sight. Gulls followed the steamer all the way over, becoming common on the last half of the trip. Larus glaucescens, immature, predominated with two or three adults, and two or three adult Larus californicus in winter plumage and one in immature plumage. A number of gulls left a passing east-bound steamer to follow ours.

This evening the Larus glaucescens, immature, followed the steamer, an occasional adult being seen. One immature Larus argentatus with the blue of the mantle just appearing passed by. Two young Larus glaucescens rode over on the after flagstaff this morning.

January 25, 1911.
Alameda to San Francisco, Calif.
Overcast; southerly winds; raing. After deck of ferry boat both ways.

Along the seawall I saw a few ducks on the water at a distance. Along the mole I saw no ducks, save two or three distant ones flying, one of which was close

enough to be recognized as Xdemia perspicillata; two or three gulls were also observed on the wing. On the old burned horizontal cross beams at the mole there were a number of immature Larus glaucescens.

On the bay gulls were abundant as yesterday, large flocks being noted about each vessel lying in the harbor. A few birds followed our steamer at first, becoming common as the time we reached the bay, where the gulls were abundant on the water & the sheds and on the piles. Immature Larus glaucescens with an occasional adult, followed the steamer across, & ~~Coming from~~ an occasional adult or immature Larus Californicus, and two or three immature Larus argentatus also mingling. As usual some of them quarrelled over the flagstaffs. A few called a little, not the loud cackling call, but just the short notes. On alighting on the flagstaff, the tail is spread and the feet lowered and toes spread at the same time as they go to adjust. One immature Larus glaucescens circled the pier and then lighted on the flagstaff, for a ~~time~~ second and then seeming some concern by trying to descend on him a couple of times while flying the length of the boat.

This evening one or two immature Larus argentatus, one or two immature and three or four adult (winter plumage) Larus Californicus, and a large number of Larus glaucescens followed the steamer, being most abundant on the S. E. side.

January 26, 1911.
Alameda to San Francisco, California.
Wind southerly; showers during day. Tide high in morning, low in evening. Rear deck each way.

Along the seawall and mole this morning several ducks were seen on the water at a distance, and one or two gulls were seen in flight. Two or three Larus glaucescens were noted on the piles at the mole.

In the bay I saw a few scattered gulls in the air. Larus glaucescens and Larus californicus [illegible] several, the proportion of each species and of adults being the same as usual. (Their having one steamer to follow another passing steamer is a very noticeable fact. Just as we entered our slip a few Larus californicus in large numbers left the piles and mole, and following in the wake of a steamer just leaving. Just west of Goat Island a flock of a dozen ducks were seen [illegible] bound southeast; species scoters.

This evening Larus glaucescens predominated, an occasional adult being seen; two or three immature Larus californicus; and one or two immature Larus argentatus followed the steamer.

There was a great deal of mud exposed along the mole. In the shallow water I saw a flock of about 100 ducks closely massed; there were also four Ard a herodias, three had their necks outstretched while one was standing all hunched up.

This evening there was a strong northwest wind blowing, and the gulls in following the steamer, headed right into the wind a good deal of the way, a little to one side, but mostly with the steamer which was probably twenty degrees off the wind.

January 27, 1911.

Alameda to San Francisco, California.

Southeast wind; hazy; rather cold.

Between Webster and Fifth Street piers this morning I saw two flocks of ducks on the water offshore. Along the seawall and wharf there were very few ducks on the water, only two Aechmophorus occidentalis being recognized. Several gulls, some identified as Larus glaucescens and Larus californicus were seen.

There were a good many gulls on the burnt crock - some under the piers, and by the side. I saw one Phalacrocorax auritus fly from the water to the top of some piling, putting his feet down and spreading his toes and tail just as he was about to alight.

On the bay I saw two pairs of Aechmophorus occidentalis flying in the same direction, all high in the air.

Larus glaucescens in large numbers, several Larus californicus, adult and immature, - three or four immature Larus argentatus; and one fine adult Larus ad't & immature;

6

occidentalis were about the steamer on the way to the City. Counted two curious immature Larus glaucescens with white heads and necks. Occasionally a very large immature Larus glaucescens is seen.

This evening a number of Larus glaucescens and Larus californicus, the latter mostly adults followed the steamer in the rain, gradually dropping off as we neared the Alameda Pier.

January 28, 1911.

Alameda to San Francisco, California.

Southeast wind and rain.

Saw one small flock of ducks on the water near Webster Street Station and an occasional one along the seawall and mole. All were too distant to be identified. One gull was seen flying off the seawall near Pacific Avenue. A few Columba fasciata, close to the rocks of the mole, dived as the train passed. There were a dozen or more gulls on the cross-bars of the telegraph poles.

On the bay the gulls followed the steamer. Larus glaucescens far outnumbered the other two species, only an occasional adult Larus californicus and two or three immature Larus californicus were noticed about the steamer. Occasional gulls and flocks of gulls were seen on the water. One or two Larus glaucescens were on the flagstaffs this morning as well as the immature Larus glaucescens. One or two immature Larus glaucescens kept up a continual "squealing" most of the time. Occasionally one on a flagstaff would open its mouth very wide and give a long caking call.

January 29, 1911.

I saw a large number of gulls on the mud thrown up by a dredger near the causeway across Lake Merritt, Oakland, California.

January 30, 1911.

Alameda to San Francisco, California.

Rainy; southerly winds.

There were a few gulls along the seawall and mole.

On the old burnt crossbeams at the mole there were a good many gulls.

On the bay I saw the usual Larus glaucescens, immature birds predominating; Larus californicus, a few, mostly adults; Larus argentatus, one or two immature. Some unusually large young Larus glaucescens were noted.

I saw one small flock of five ducks northward bound and another of four going in the same direction, both high in the air. One loon going north and three ducks going northeast were also noted. I saw one duck flying south very close to the water.

January 31, 1911.

Alameda to San Francisco, California.

Rainy in morning; clear in afternoon.

Along the seawall and mole I saw several ducks, an Edemia perspicillata being recognized close to the seawall.

Yesterday morning I saw three cormorants proceeding in a northwesterly direction just off the Alameda Pier.

On the bay three or four flocks of ducks were going

southward high in the air and in close formation, about fifty birds to a flock. A few small flocks headed northward.

The usual gulls were seen following the ferry steamers. A number were observed on the old burnt cross beams of the mole; many of these followed the steamer as she left. As we approached our slip on the San Francisco side, a large number of gulls left their roosting places to fly hurriedly to some refuse thrown over by the outgoing Key Route boat.

Larus glaucescens, Abundant, chiefly immature.
Larus californicus. Afew; chiefly adult.
Larus argentatus. Three or four.
As usual young Larus glaucescens rode on the after flagstaff of our steamer.

This evening I noted Larus glaucescens, Larus argentatus (one immature one with mantle beginning to appear), and Larus californicus about the east-bound steamer. I saw one Ardea herodias in the shallow water beside the mole, the tide being out.

February 1, 1911.

Morning; overcast; southerly winds.

Alameda to San Francisco, California.

Along the seawall and mole there quite a few ducks on the water and flying, one Œdemia deglandi was recognized flying. There were three or four small grebes on the water near the east end of the mole.

On the bay just off the Alameda Pier, a flock of

twenty or thirty cormorants passed us, flying in their usuall slow-wavy style to the southward. Three cormorants northward bound went by.

The usual Larus glaucescens, Larus californicus, and Larus argentatus were seen from the after deck during the trip across. It seems to me that the adult Larus californicus are becoming more common.

This evening I saw the same species of gulls about our steamer and in the usual proportion.

February 2, 1911.

Alameda to San Francisco, California.

Rainy; rather cold.

This morning while standing in the back yard a flock of thirty cormorants (probably Phalacrocorax auritus) passed over quite low down, heading towards San Leandro Bay. They were flying in a broken line, the leader being near the center.

Along the seawall and mole a few ducks were noted, and when well down the mole I saw half a dozen gulls flying eastward high in the air.

On the bay Larus glaucescens, chiefly immature, were abundant; Larus californicus, chiefly adults a few; Larus argentatus three or four immature. On the evening ferry Larus glaucescens & Larus californicus followed our steamer, many within a few feet of the deck passengers.

February 3, 1911.

Alameda to San Francisco, California.

Rainy.

Along the seawall and mole I saw a few ducks and one or two grebes.

On February 1 I saw a small hawk on top of a flag staff on a building at the corner of Sansome and Sacramento Streets, San Francisco.

On the bay near Alameda mole I saw a flock of a dozen or more cormorants with bound, flying close to the water in the usual undulating manner. Two or three ducks were also seen awing. The usual gulls were seen in the usual numbers and following the ferry steamers — Larus glaucescens, Larus californicus, and Larus argentatus.

February 4, 1911.

Alameda to San Francisco, Cal.

Calm; Cloudy.

There were quite a few ducks along the seawall and mole and several gulls flying south of the mole.

On the bay about twenty cormorants (Phalacrocorax auritus) flew by us in single file, passing over Goat Island going in a northwesterly direction. I saw a flock of a couple of dozen ducks flying south. Several very distant ducks and cormorants were seen. Immature L. glaucescens followed the steamer commonly; they far outnumbered adults. A few adult Larus californicus and an occasional immature one were

ness; also several immature Larus argentatus. The piles and buildings on the San Francisco side had an abundance of gulls on them, chiefly Larus glaucescens. Just as we were approaching our slip on the San Francisco side the steamer Oakland was just leaving. There were about ten Larus glaucescens on her hurricane deck and one or two more were seen to alight. One of the flagstaffs each carried a gull.

This evening the usual gulls followed the steamer, and among them I noted a Larus argentatus which was nearly adult.

February 6, 1911.

Alameda Pier to San Francisco, Cal.

Clear; cool.

The usual Larus glaucescens, Larus californicus, and Larus argentatus were about the steamer this A. M. As we neared Alameda Pier this evening a dozen cormorants passed us going south.

February 7, 1911.

Alameda Pier to San Francisco, Cal.

Clear; frosty this morning.

Gulls of the three regular species were seen as usual, and an adult Larus argentatus was also noted. Both to-day and yesterday I saw a gull scratch its head while on wing. This morning I saw fourteen cormorants flying north close to the water and this evening two more.

This morning several ducks in two and threes passed south and also a flock of about twenty close to San Francisco. This evening a small flock was seen off Goat Island southward bound — apparently they were scoters.

February 8, 1911.

Alameda to San Francisco, California.

Clear; frosty in the morning.

Along the mole I saw one or two grebes and gulls.

On the bay I saw a long flock of cormorants flying north. Several small flocks of duck flew by southward bound.

Larus glaucescens, Larus californicus, and Larus argentatus were observed in the usual numbers about the ferry boats. Near San Francisco there were two large flocks of gulls about refuse on the water in front of the ferry slips.

February 9, 1911.

Alameda to San Francisco, Cal.

Clear; cold and frosty.

Along the seawall and mole I saw a few distant ducks.

On the bay Larus glaucescens, chiefly immature, followed the steamers very commonly. A number of Larus californicus, mostly adult, and three or four immature and one adult Larus argentatus were also seen about the ferry-boat.

A flock of four Oidemia deglandi swung around the steamer at a good distance heading back to the northward again. Between Goat Island and San Fran-

cisco several good-sized flocks of ducks headed southeast.

February 10, 1911.

Alameda to San Francisco, California.

Strong southeast wind; overcast; A.M.; crowded steamer.

Along the seawall and more near-shore were gruccesions and California flying scaups. A few ducks were down on the water and these commenced flying northeast high in the air. On the piling of the wharf there were several gulls and one pair of cormorants.

A lot of [illegible] gruccesions, mixed flocks, and several hawk-like birds followed the steamer across making more than usual. Many gulls were sailing about like clear-cut [illegible] with a big sail and were beautiful, keeping the wings on the upward swing and sailing on the downward, usually just skimming the water.

Just as we entered the ship on the San Francisco side I saw a fine adult [illegible]

February 11, 1911.

Alameda to San Francisco, California.

Cold; southerly wind; clear in morning; cloudy in afternoon.

Off the seawall there were scattering flocks of thirty or so ducks which appeared to be mostly Aythya spicilata judging from the white patches on the backs of the heads. A few scattering ducks were seen along the mole, one of which was a Chen hyperborea

On the bay this morning the usual numbers of Larus glaucescens, Larus californicus, and Larus occidentalis. There were also a few small flocks of ducks, some large, some small, mostly distant.

This evening I saw a few more adult Larus californicus than usual. It seems to me that this species keeps a little aloof of the ferry boats, staying a little in the rear, while Larus glaucescens flys close up along side within three or four feet of upper deck passengers. Often see them fishing in shallow water, low tide, mole. On the bed of a pond that was a large flock of birds, apparently ducks.

February 12, 1911.

This morning at the foot of Grigsby Avenue I saw a Pacific coast cormorant near the edge of the bank. Two or three gulls, one a Larus californicus passed by over the water. Saw a gull flying over grounds to-day.

February 13, 1911.

several gulls, apparently all Larus californicus were seen flying over Alameda to-day during stormy weather.

Feb. 14, 1911.

Alameda to San Francisco, Cal.

Clear; cold.

This morning I saw several grebes, ducks, and gulls along the mole. On the bay Larus glaucescens, Larus californicus, and Larus occidentalis were seen in the usual

numbered.

February 15, 1911.
Alameda to San Francisco, Cal.
Clear; cold.

Along the mole I saw a few scattering grebes, ducks, and gulls, the latter mostly flying. One Aechmophorus occidentalis.

Although not particularly observant on the bay, I saw a good many Larus glaucescens, chiefly immature, about the steamer.

On the return home in the evening, there were large numbers of Larus glaucescens about the steamer, also several Larus californicus. A Larus occidentalis, nearly adult save for a few feathers, notably black-banded tail feathers, flew around the steamer three or four times in company with the Larus glaucescens.

February 16, 1911.
Alameda to San Francisco, California.
Cold; clear.

Along the mole and here there were quite a few ducks, more than usual. One Pedionia elegandi was recognized. There were several grebes, all small, in the water near the eastern end of the mole. The tide being low, I noted a good many gulls on the end of a sand-spit.

On the bay I saw the usual Larus glaucescens, Larus californicus, and Larus argentatus following the ferry boats. Off Alameda mole I saw a flock of about fifteen

cormorants flying northwest fairly high above the water. Just off the dock a flock of about 200 cormorants flying very close to the water, headed in front of the steamer. They were striving out in two single files which converged at the head.

February 17, 1911.
Alameda to San Francisco, California.
Clear; cold, but not frosty.

There were a few ducks along the seawall and mole, and one Pelecanus [illegible] was recognized. On the sand exposed by the low tide at the head of the mole there were a number gulls, all of those close to the head were Larus californicus, mostly adult, some 2 years old. Then the most of the mole Larus [illegible] were flying northwest.

On the bay a number of Larus glaucescens, [illegible] as [illegible] were flying as usual. The bright sunlight on the water prevents my [illegible] the birds well. [illegible] usually have a chance of getting about 10 yards closer.

March 12, 1911.

Saw a Sialia mexicana in an oak tree on Central Avenue. Flew on rather close approach.

March 18, 1911.

Two Pipilo maculatus in shrubs in yards next door.

March 18, 1911.

Alameda Mole to San Francisco, California.

This morning I saw a cormorant on an outstanding pile at the mole. This evening I saw one flying southeast high in the air when the steamer was just east of Goat Island. Large number of gulls on mud at end of mole.

In the morning I saw two ducks north bound, and in the evening a loon got up out of the water & flew north.

Only immature Larus glaucescens and mostly adult Larus californicus are to be seen. The latter follows the ferry boats more abundantly than the former. The chief rendezvous of the former seemed to be the piles on the San Francisco side.

In the ~~morning~~ and evening I saw a few ducks off the seawall in the water; scaup ducks recognized.

March 20, 1911.

Alameda to San Francisco, California.

Immature Larus glaucescens and adult Larus californicus following steamers still. A number of the former on piles at Ferry Building.

March 21, 1911.

Alameda to San Francisco, California.

This morning there were a good Larus californicus adults on the mud near the round house. Along the seawall and mole a few ducks. Two Oidemia deglandi and one Aechmophorus occidentalis seen. On the bay many adult Larus californicus and not so many immature Larus glaucescens.

March 22, 1911.
Alameda to San Francisco, Cal.

Along the mole and seawall a number of ducks. One Aechmophorus occidentalis near west end of mole. On the bay Larus californicus and Larus glaucescens the same as yesterday.

March 23, 1911.
Alameda to San Francisco, California.

Along the seawall and mole there were quite a number of ducks. Off the seawall I recognized three or four Oidemia perspicillata by the white patches on the back of the head. One Aechmophorus occidentalis near mole.

On the bay adult Larus californicus far outnumbered the immature Larus glaucescens. The former species follows the steamers quite commonly. In the morning I saw 2 small flocks of ducks flying north east of Goat Island, and in the evening one flying south, also a cormorant. In the morning I saw a cormorant on a pile at the Alameda Mole; it stood with wings outspread for several minutes.

March 24, 1911.
Alameda to San Francisco, California.

Along Alameda mole in Oakland Creek I saw two ducks and half a dozen or so California gulls. On the bay I saw Larus glaucescens and Larus californicus in the usual proportions. Off the San Francisco water front there were two or three large flocks of gulls, chiefly Larus californicus,

both flying and sitting on the water. In the evening the same species were seen, and just out from San Francisco we encountered quite a number flying and calling, the call of the Larus californicus being noticeably different from those of Larus glaucescens heard earlier in the year. Three cormorants seen flying high in the air.

While in the back yard this evening I saw about a dozen Nycticorax nycticorax straggle over going southeast towards the marshes and beaches. Some squawked a little as they passed.

March 25, 1911.

Alameda to San Francisco, California.

In crossing the bay this morning and mid evening I saw three or four ducks in flight. The piles on the San Francisco side were occupied by young Larus glaucescens, a few of which also followed the steamers along with a good many adult Larus californicus.

March 27, 1911.

Alameda to San Francisco, California.

Along the seawall and mole I saw a few ducks both yesterday and to-day, also an occasional gull. On the bay on both days quite a number of young Larus glaucescens were seen, chiefly on the San Francisco side. Larus californicus was the common gull, and followed the steamers most commonly; but few young ones were seen. This morning [illegible] flying north high in the air.

Yesterday I noted Aythya americana in the lakes of Golden Gate Park. Iris reddish; feet grayish. Same. Saw two ducks flying from one lake to another. In these lakes there were probably a number of ducks. Out of half a dozen or ten Erismatura jamaicensis, I saw one very red one. One Fulica leucoptera singing. In the buffalo and elk paddock I saw several birds feeding on the ground, which looked like Pisorhina scyphatica.

March 28, 1911.

Alameda to San Francisco, California. North side of train; after deck of steamer; bright sunshine.

One cormorant on pile at mole. On the bay the usual Larus glaucescens and Larus californicus. No apparent change in numbers. One or two Larus glaucescens on flagstaff of our steamer. Some gulls riding on hurricane decks. A good many on inner side of outer harbor. Larus glaucescens on piles and rocks on San Francisco side.

March 30, 1911.

Alameda to San Francisco, California.

Yesterday morning when the train was going out the mole I saw a drake Clangula clangula rising from the Oakland "Creek." I also saw four ducks in a shallow slough east of First Street. On the bay one cormorant.

To-day I saw two or three ducks flying on the bay. Both yesterday and to-day Larus californicus and Larus glaucescens were seen as usual, there

numbers apparently having undergone no change.
This evening I saw several Pelicans migrating
flying over from their roosting places to their
feeding grounds.

April 1, 1911.
Alameda to San Francisco, California.

Yesterday morning I saw two large flocks of curlew,
evidently Numenius hudsonicus, on the marsh west of
First Street. This morning I saw none, although
on the tide flats. The tide was low both mornings,
but on the mud flats along the marsh and the
rocks, there were the same kinds, only fewer, chiefly
Larus californicus. There were a few Larus
along the waterfront wharfs, and there were
one adult and Pelagic Cormorant on the rocks.
Yesterday morning I saw two species of gulls
more, and one cormorant on the opposite
bit of the point on the evening. This morning
I saw one cormorant flying, on the west side
of the ~~bay~~ bay.

On the bay of the mud Larus californicus,
chiefly adults and a fewer number of immature
Larus glaucescens. The adult Larus californicus
seem to have lost the spotted head of the
winter plumage.

April 3, 1911.
Alameda to San Francisco, California.

Gulls on mud near roundhouse. Of the

ducks along mole. Two cormorants on pile together at mole.

Larus glaucescens and Larus californicus following steamer; do not circle around but keep rather near the stern.

April 6, 1911

San Francisco to Alameda, California.

This morning I saw a large number of gulls, chiefly Larus californicus adults, also a few Larus glaucescens immature.

April 11, 1911.

Alameda to San Francisco, California.

This morning there were a great many shore birds, apparently mostly snipe, ~~too~~ (Macrorhamphus griseus), in some mud exposed in the mouth of the slough near the round house. There were a few gulls with them. Quite a few ducks still linger along the mole. I saw two faded-out immature Larus glaucescens on piles at the mole. In crossing quite a number of the last-named species and adult Larus californicus were about the stern of the steamer. Just off the mole some refuse was dropped and gulls hurried to it from all directions. They can accelerate their speed very much when they so desire, taking long, decisive wing strokes that hurry them along much above the ordinary rate.

April 16, 1911.

Yesterday morning I saw a beryle alcyon at the foot of Riggs Avenue, and to-day an Anthus pensilvanicus near the same locality.

Yesterday morning a flock of about fifty Chen hyperboreus passed over the bay in the air. They were going northward and looking lonely. Briggs Avenue, Alameda Co.

April 17, 1911.

This morning early a flock of thirty or forty cormorants probably Phalacrocorax auritus flew over the house going southward.

April 21, 1911.

Alameda to San Francisco, California.

Off Goat Island a loon in winter dress dived as the steamer overtook it. It was probably Colymbus pacificus. In the evening I saw one fine adult Larus occidentalis among the adult Larus californicus on the bay.

April 22, 1911.

Alameda to San Francisco, Calif. A. M.

This morning there were a good many shore birds in the marsh along First street and in the mud exposed by the tide near the oak shore — sandpipers, snipes, Limosa fedoa, and curlew apparently Numenius hudsonicus.

Along the [illegible] distant ducks.

On the bay very few birds followed the steamer. All seen on the bay were Larus californicus, mostly fine adults. Several faded out immature Larus glaucescens or [illegible]

on San Francisco side.

This morning I saw a Heliornis americana on [illegible] Lagoon.

April 23, 1911.

Alameda, Calif. (San Leandro Bay and south shore).

Larus californicus. Several immature ones in San Leandro Bay.

Larus philadelphia. Quite a few, mostly black-headed; flying and on mud and sand at entrance channel at low tide.

Sterna forsteri (?). Saw one; heard others.

Shore birds. ~~Quite~~ Common on mud and also flying, particularly along south shore.

Macrorhamphus griseus. Common in red plumage.

Sandpipers. Several small flocks.

Cormorants. Several small companies.

Phalacrocorax auritus, mostly with cream-colored breasts.

April 25, 1911.

Every evening I have seen several large flocks of shore birds (evidently Numenius hudsonicus) flying eastward over Alameda. I have been at High Street each time they were seen.

On the bay this evening five adult Larus californicus were common on the San Francisco side.

April 27, 1911.

Alameda to San Francisco, California.

This morning there was a strong southeast

wood ducks. Along the seawall and north I saw a few ducks, and this evening I was close enough to identify it as an Oidemia perspicillata. Near the eastern end of the north there were a number of immature Larus californicus on the water.

On the eastern west of Point Pinole I saw quite a number of Phalacrocoracidae Dafilus (Nannonetta latirostris) and on the pond on the right there were two or three good-sized flocks of Aythyinae.

I rode until the ferry boat upstairs. On the eastern end of Larus californicus and near the San Francisco side a good sized flock of adults on the water. One or two bathing by flapping wings and ducking heads.

May 1, 1911.

Alameda, Cal. (Around Bay from Oakland.)

Wren, mocking bird, Anthus, Meadowlark, Red-winged blackbird, Heron.

Several days past I have noted flocks of Larus heermanni flying over bay; one morning there were thousands of them [illegible] Feeding. Noisy crying.

Sterna forsteri. A pair today were playing during, getting on seaweed outside Oakland

Two terns, [illegible] species. Adult & immature.
Larus philadelphia. Fairly common. Adult and
immature about half and half.
Larus californicus. Several large immature
gulls doubtfully referred to this species.
Larus [illegible]. [illegible] about a dozen
on [illegible] side of the island. Wild. Shot
one on fine high [illegible].
Squatarola helvetica. Two or four certain. One white-
bellied, the other black.
Aegialeus semipalmatus. Common. High-plumaged
Aegialitis nivosa. Six on sandy beach on
south side.
Heteractitis [illegible]. One [illegible]
[illegible] on mud shore. Wild. Characteristic
call.
[illegible] Wilsonicus. Fairly common in marsh.
Ereunetes pusillus. Very abundant. Shot
ten or a dozen. No least Sandpipers recognized.
Calidris arenaria. Two or three on sandy flats.
Nycticorax nycticorax. Several in marsh.
Ardea herodias. Several.
Plegadis [illegible]. Several good-sized
flocks.
Mesoptila cinerea. A few. Feeding on
beach at low tide.
Euphagus cyanocephalus. Several [illegible]
on beaches at low tide.
Pelidna alpina. Several in high plumage. Singly.
Cormorants: Three or four Phalacrocorax [illegible] black

Ducks. Probably 200 or so. All that were close were Oidemia deglandi. Probably a dozen seen close enough for identification. Two Gavia a stellata in rough. Aegialitis nivosa, and Calidris arenaria had enlarged sexual organs. Those of the last apparently not full size; birds moulting.
Hirundo erythrogaster. Several hawking about over water east of island a little ways offshore.

May 8, 1911.
San Leandro Bay, Alameda County, California.

I worked north of the old railroad trestle. Low-tide at about 10:15 A.M. Windy.

Sterna forsteri. Ten or twelve terns, presumably of this species.

Larus philadelphia. Probably a score altogether. Half hooded adults, half immature.

Larus californicus. Three or four immature and nearly adult.

Larus glaucescens. One bleached immature bird.

Squatarola helvetica. About a dozen, all black-bellied.

Aegialeus semipalmatus. Probably a score. Often fly by in pairs and calling. Has habit when on ground of occasionally standing very erect for an instant. Capture Aegialitis nivosa noted doing same thing.

Numenius hudsonicus. Curlews common. Apparently all of this species. No White-rumped

Limosa fedoa. One feeding with some dowitchers.
Macrorhamphus griseus. Fairly common. No knots.
Erunetes pusillus. Very common. Several
sandpipers shot were of this species. No
least sandpipers encountered to [illegible].
Calidris alpina. Probably a score. Never
more than seven or five together.
Heteractitis incanus. Several.
Ereunetes mauri. Two or three.
Totanus melanoleucus. One or two pairs
of this species seen up the slough.
Oidemia deglandi. Several. Two or three flying.
Aegialeus semipalmata and Pelidna alpina
claimed head here.

An Oidemia deglandi male, which Dakot, had a
grayish white iris.

May 4, 1911,

Alameda, Cal. (Through Slough to south side of
Bay Farm Island and return.)

Sterna forsteri. Fairly common. Fishing. Mostly
immature birds.

Larus philadelphia. One or two in San Leandro
Bay on morning.

Larus sp. Several in San Leandro Bay and
marsh. Shot an immature Larus delawarensis in
slough. Off the south end of Bay Farm
Island there were quite a few, a dozen or so
circling about high up. Apparently Larus calif-
ornicus.

Arenaria interpres. Half a dozen or so
Morro, where they seemed to frequent the rocky
sand banks. Seemed to be in pairs as did also
the Oystercatchers. Not shy.
Squatarola helvetica. Perhaps a score or more together.
Nearly all black-bellied. Very wild.
Oystercatchers. Pair or four.
Numenius hudsonicus. Probably the common
bird of all.
Micropalama [illegible]. Perhaps a dozen or so.
Crocethia [illegible]. Common. Mostly in
three and fours or in singles. Rather
moderate size with extreme [illegible] beak.
Pelidna alpina. About a score.
Ardea herodias. One
Nycticorax nycticorax. Several.
Two or three [illegible]
One marsh Helminthophaga [illegible] and red-
winged Blackbird, probably Agelaius [illegible].
The latter had a very fine flight, being
[illegible] apparently [illegible] with
feet by flapping wings and then sweeping
with the wings held [illegible], giving
downward flight, [illegible] note like
Geothlypis trichas.

May 5, 1911.

Alameda, California. Through the slough to the south
side of Bay Farm Island.

Sterna forsteri. Common. Saw a flock of about thirty
Lot sup.
Larus Philadelphia. Two or three.
Larus delawarensis. Quite a few. Apparently
(Arenaria interpres. A flock of twenty-five or thirty on
sand bar off Island. Three on hard dry mud
bank in slough near old railroad bridge.
Hæmatopus palliatus. Fairly common. Flock of
about twenty on south side of island.
Ægialitis semipalmatus. Three and three
or four.
Limosa fedoa. One in alcohol with plumage.
Macrorhamphus griseus. A few. All red.
Tringa pusilla. Fairly common, although
rapidly decreasing in numbers since the first of
the week.
Pelidna alpina. Several.
Crocethia arenaria. Three, possibly four. Shot three.
Bright-plumaged, while those taken on the 1st were
moulting and their sexual organs were not fully
developed.
Numenius hudsonicus. Common. Late on the
afternoon I saw two or three flocks flying in
the air calling and flying westward.
Charadrius dominicus. Two or three.
Aphriza virgata. Quite a few.
Fulica americana (?) Three.
Cormorants. Two, evidently Phalacrocorax auritus flew
over when I was on the beach.

May 8, 1911.
Alameda, California. San Leandro Bay. Damon's slough and San Leandro slough. Forenoon. Tide high about 7 A.M.

Sterna forsteri. Common.

Larus philadelphia. One or two. Shot one with hood head.

Larus californicus. Immature ones in various stages common. Two or three good sized flocks of twenty or thirty.

Ægialitis nivosa. Quite a few; both white and black.

Ægialeus semipalmatus. Half a dozen.

Limosa fedoa. Two.

Numenius hudsonicus. Common.

Ereunetes pusillus. Common. Flock of a hundred or two on flats in Damon's slough. A few here and there elsewhere.

Pelidna alpina. Two or three.

Tringa ~~alpina~~ Canutus. Eight or ten. One shot was in worn winter dress.

Macrorhamphus griseus. Three or four. Half a dozen. High-flying pack.

Ardea herodias. Two or three. Nycticorax seen.

Ducks. Flock of ten flying.

Aythya affinis. (?) Common in Damon's Slough.

Melopiza cinerea. A few seen. Shot two males with very large testes.

Petrochelidon lunifrons. Three or four. Back of the old S.P.C. R.R. line I found them fairly common in the marsh during the forenoon.

May 3, 1911.

Both last evening and this morning, about five o'clock, I heard flocks of Numenius hudsonicus passing westward over Alameda, calling loudly.

May 11, 1911.

Alameda, Cal. (around Bay Farm Island.)

Sterna forsteri. Two or three in sloughs.

Larus californicus. Quite a few. Two or three small bands flying. All immature.

Gymnasticus fuscus. One in slough near San Leandro Bay; several on south side of island.

Macrorhamphus griseus. ~~Two~~ Two or three.

Numenius hudsonicus. Quite a number; particularly on May 8. Over then on May 8. Large flocks, passing in westerly direction for them.

Pelidna alpina. Several.

Ereunetes pusillus. Quite a few. One or two small bands.

Aegialitis semipalmata. Several.

Calidris arenaria. A flock of a hundred or more on south side of island.

Heteractitis incanus. Two on west side of island. Shot one.

Ardea herodias. Two or three.

Actitis macularius. One on each getting strav.

Ducks. Forty or fifty, evidently Aythya vallisneria and Mareca americana.

Limnopinacus griseus. Several. One or two Hirundo on the Bay shore over water near settled part.

May 13, 1911.

Alameda, Cal. (Foot of Briggs Ave. and near Bay Farm I. Bridge.)

This morning I threw some refuse into the water at the foot of the wharf and very soon a dozen immature Larus californicus and a couple of fine black-headed Larus philadelphia came about picking up scraps.

[illegible] boat house, three Aegialeus semipalmatus came by.

May 17, 1911.

When crossing the bay this evening I saw a flock of about 50 Oidemia deglandi flying north just east of Goat Island.

May 24, 1911.

Mr. Loomis reports the following while crossing the bay on a Bay Route steamer at 1:25 P. M., when the light on Goat Island was just lighted. Six Larus heermanni with white heads persistently followed the steamer from the island nearly to the San Francisco side.

May 25, 1911.

Noted a few pure adult Larus occidentalis about the steamer during the crossing this evening. Not seen Heermanni, however.

May 28, 1911.

Around Bay Farm Island. Quite a few Phalaropus lyperboreus in sloughs. Flock of 12 Calidris arenaria on beach south side.

June 5, 1911.

While crossing the bay this evening I saw two [illegible] mixed in with about 75 immature Larus californicus (apparently). The first I have seen, and I have been on the lookout. They paid no attention to steamers.

June 21, 1911.

San Francisco to Howard St. & Farallon Is.

Conditions: Wind; overcast.

In the bay, especially off the Presidio gulls were common. Of these californicus; Larus heermanni, adults; Larus occidentalis, adults. In the straits gulls became scarcer.

In the straits there were a good many Uria troile flying in small flocks and on the water. When one rises from the water its feet point outwards thus /\ ; after it gets under way they are drawn in thus ||.

Outside the Heads occasional Uria troile were seen. As we approached the right ship Larus occidentalis became fairly common, several [illegible] on the straits; juv adults.

Near the Farallones I saw two Cerorhinca [illegible] and a southbound steamer. They stopped to light on the water. Saw three or four [illegible] waters, evidently Puffinus griseus.

Close to Farallones birds became numerous: cormorants (Phalacrocorax [illegible] with white flanks [illegible]); Larus occidentalis, Uria troile, Lunda cirrhata, Ptychoramphus aleutica.

Southeast Farallon

June 21, 1911.

S. E. Farallon I., Calif. Windy; clearing in afternoon.

Oceanodroma leucorrhoa. One from burrow in rock pile, ~~at east end~~ ~~of lighthouse~~ with ~~fresh~~ scabbed ~~egg~~ in depression in ~~end~~ of burrow. Ejected oil from mouth when caught as does the next species.

× Oceanodroma homochroa. Took five from burrows among rock piles. ~~Three~~ Two fresh eggs, one quite slightly incubated found in slight depression in ~~end~~ of burrow. Burrows one foot to two feet long.

Uria troile. By thousands, on ledges, in caves, under overhanging rocks. Eggs in all stages of incubation, but more hatched. Often eggs would be so close together that the birds would be touching each other.

Pseudiria columba. Very common. Nesting in holes among rocks. Eggs in various stages of incubation, but more hatched yet. Adults ~~are~~ sitting about singly and in twos and threes on rocky hillsides. Have habit of opening mouth very wide when approached on nest after alighting.

Lunda cirrhata. Very common. Nesting in holes in rock, usually to far back to reach with hand. Eggs only.

Larus occidentalis. Not abundant on west end where do my young of various species were collected. Rocky over the level ground and hillsides. Adults fly about and scream; make angry clacking and snap when nest are molested. Young with banded tails. Usual call also given very much. Nests of dried weeds containing 2 and 3 eggs.

Dalpiriates absoletus. Quite a number. Singing.
Hirundo erythrogaster. One.
Lachyamita thalassina. One.
Phalacrocorax pelagicus. Large colony on high part of west end. Two, three, and four eggs in nests. Nests of seaweed and ~~grass~~ weed from Leland.
Phalacrocorax pelagicus. Occasional nests here and there on cliffs of west end. One nest high up in Murre Cave. Built of narrow ledges and not on top of cliffs as the last species.
Pitychoramphus aleuticus. Nesting abundantly all over. Incubation in full swing. Fresh eggs, incubated eggs, young of all ages. Young often [illegible] when taken. Adults have white iris.

June 22, 1911.
S. E. Farallon I., Cal.

× In the afternoon I took a look for petrels near the dwelling houses. I found one under a rock (no burrow) right above the head keeper's house. It was an Oceanodroma homochroa with one fresh egg. There was a smaller rock in front of the bird which afforded some concealment. After [illegible] found another with a fresh egg near the fog station; it was in a hole quite deep down in a rock pile. The first bird I got emitted a harsh sort of squeal when caught. The usual Pitychoramphus aleuticus were met with, young of all ages, eggs, adults. Occasionally the young cry a little when caught. The tendency of all is to get back under cover the minute they are released.

I noticed a good many Pseudiria columba on the rocks on the south side of the island; they could be seen wheeling about and alighting high up among the crags. I saw two or three sitting on the roof of an old ruin down shed on the level ground on the south side.

In the evening went up to the light house. Near the summit on the south side came across a small bunch of Sterna [illegible] on a rocky ledge. Noticed Pseudiria columba all the way up.

From the tower I could look down on the northeast side on to the nests of the gull colonies. Most of the birds were on the ground but a few were wheeling about. Saw this go after a black rail & several times. A few Larus occidentalis were noted.

This afternoon saw a Larus occidentalis which sailed down among the gulls. It seized a gull by the foot. The latter struggled out to sea with the pursuer hanging on. It went an eighth of a mile before the wounded gull let go. The were followed by a swarm of gulls.

June 23, 1911.

S.E. Farallone Is., Cal.

Last night around and right I heard the chorus of Ptychoramphus aleuticus. There was a great din reminding one of a saw filing.

When on the rocks Pseudiria columba sits with feet flat on rock or ground.

× In the forenoon I spent some time looking for petrels on the east side of the island near the wireless telegraph station. I found three Pelecanoides [illegible] in rock piles and under rocks. There was no evidence of a nest in any case, the egg being in a depression in the soil and bits of stone. I found a couple of Procellaria columba eggs incubated in the rocks up on a hillside.

× In the evening I searched a rock pile right [illegible] to the house and found three more Pelecanoides [illegible], [illegible] with eggs.

In the afternoon I snorkled about the west end.

No Petrels found although looked for.

Uria troile. By thousands everywhere. On outlying islet on the north side was black with them as was also the north side of Maintop in certain places. No eggs hatched yet. Many were resting under large rocks well back from the sea. When disturbed they never scatted but huddled together, making occasionally coarse notes of alarm and distrust.

Procellaria columba. Quite a few along shore, in the air. They sit about on the rocks apparently resting. No nests were found on the west end.

Lunda cirrhata. Very common about the cliffs and ledges. Flight resembles that of a parrot, notably Conurus holochlorus. Found several nests in crevices and holes under rocks. No young found. Egg laid in depression in soil. [illegible] chick [illegible] hatch.

Ptychoramphus aleuticus. Burrows everywhere. Found one with nest in crevice where bird could be seen from outside. [In front of the keepers' houses there are a great many dead which have struck the telephone wires at night.]

Larus occidentalis. By thousands on west and northwest parts and on Maintop, where young were seen at the very top. On the northwest part they hovered over me by thousands while I was passing through a low level place where their young were abundant. Found several nests with two and three incubated eggs. The minute cormorants or pelagics leave their nests the moment gulls are down breaking and eating eggs. The gulls keep up a continual calling, and when one gets in their nesting quarters they also make an angry clucking note, fly often swooping at me at the same time. Saw one or two adults with broken necks, but no brown young.

Phalacrocorax [illegible] nests about two feet apart.
Saw one nest with two unfound eggs and one about 1/3 natural size.
Another colony on northwest corner near Arch Rock, and still another colony on southwest corner. No young yet. Adults [illegible] food [illegible].

Phalacrocorax pelagicus. [illegible] high up. [illegible]

Phalacrocorax auritus. Colony of perhaps a hundred on summit of Maintop. With young, some well feathered, others in black down. One egg [illegible]. [illegible] adult. [illegible] on east end nests.

June 25, 1911.

S. E. Farallon I., Calif. Warm; more or less foggy; little wind.

I spent the day on the east end near the wireless and fog signal stations.

Carpodacus mexicanus. Ten or a dozen in cypress trees near fog station. Saw only one red-headed male. Shot one young-of-the-year.

Salpinctes obsoletus. Common. Many young-of-the-year. Adults singing.

Larus occidentalis. Quite a number along shore and flying. Saw two brown-plumaged immature birds.

Sterna cirrhata. A few flying.

Uria troile. A few flying. I have noticed large [illegible] of this species and the next on the water offshore every day.

Pseudiera columba. Quite a number flying and sitting about the shores and on the rocks high up on the hillside where the tower is located. Found a bird on nest with one egg in rock pile in level ground near fog station... There may have been a young bird also that we did not see for later, the mate of the nest bird flew about for an hour or so with a small fish in its bill. The nest bird also left and flew with it part of the time. They both appeared very solicitous and anxious to get back to the nest while we were standing in the vicinity for petrels. The nest bird sat very close and did not attempt to escape. Nest more after style of auklets' in location than like pigeon guillemots'

Ptychoramphus aleuticus. As usual, eggs and young in various stages. Adults on eggs, young always alone. One adult bit me quite severely; usually they make no defense.

Oceanodroma homochroa. Got 12 to-day. With one or two exceptions all with eggs. Nests as usual in rock piles with soil and bits of stone at end of burrows with no nest structure. Found one under railroad tie; saw tail and wings sticking out. Once these had a nest lined with short grass stems, but evidently they were there originally or had worked in through a crevice; it is not likely that the bird carried them there. Nearly all would eject orange-colored oil when caught. Can throw it a foot or more. Is it done in defense or merely to appease the enemy? All of the eggs but one were fresh or slightly incubated; in that one incubation was quite advanced. (June 26, 1911? Saw one female Carpodacus mexicanus frontalis in garden at house.)

June 27, 1911.

S. E. Farallon I., Calif. Wind NW; 35 miles per hr.

In the forenoon worked around the main hill at the east end. Saw two or three Pseudiscus columba and Leucosticte cinerata nests with eggs but no young yet. Saw these two species and Uria troile and Ptychoramphus aleuticus as usual. Larus occidentalis common.

I worked in the cove near the north landing place for petrels. Took twenty of Oceanodroma homochroa from stone walls and rock piles.

Took one egg which was pricked. The chicks could be heard plainly. In all but one or two cases eggs were found. No sign of Oceanodroma leucorhoa.

Noted Larus cirrhata sailing in strong wind very much like a gull. Same remark is true of Phalacrocorax pelagicus and Pseudria columba.

x The eggs of Oceanodroma homochroa proved to be fresh, slightly incubated, and in two cases badly incubated.

The movements of Pseudria columba are quick and jerky when on land, and the general appearance of the bird is stiff and regular.

June 29, 1911.

S. E. Farallon I., Calif. Strong NW wind; clear.

Worked on southeast part of island.

x In the morning I found three Oceanodroma homochroa up on the tower hill. They were in cracks in the stone wall leading to the tower and were visible from the outside. With eggs. The usual Larus occidentalis, Pseudria columba, Uria troile, Ptychoramphus aleuticus, Salpinctes obsoletus were met with. Two Cremania melanocephala [illegible] on shore; in moult.

x Took 17 petrels of the above species from under rocks and in rock piles on the northeast part of the island. The nests were as usual in all but one case, where one was lined with grass, but evidently through accident and not through design.

In two or three cases no eggs were found, but they were probably buried in the dirt. In many cases the bird would call a little when caught, and in most cases the oil would be ejected from the mouth, the bird actually shooting it at one's hand or clothing. I note that in skinning them, a great mass of oil comes out when the skin of the belly is cut. In fact that region is wet and flabby before cutting. In such cases there is a leak at the mouth, and the bird has not ejected oil when caught.

July 30, 1911.

At the foot of the street this morning I saw two or three Symphemia semipalmata which called loudly as they flew by.

July 31, 1911.

While standing at Park St and Santa Clara Avenue, Alameda, this evening a Nycticorax nycticorax flew over from the S.W. I saw several at High Street a little earlier in the evening.

August 4, 1911.

Oakland to Antioch, Calif.

1 Cerchneis sparverius. One at 40th and San Pablo.

Corvus brachyrhynchus. A good-sized flock in bean field near San Pablo.

Cathartes aura. One near Black Diamond.

August 13, 1911.

Alameda, Calif.

This evening while in the back yard I saw an Ardea herodias flying westward over town.

August 22, 1911.
San Francisco to Carmel, California.

During the journey I saw a good many large Larus or gulls, and also two or three Forcheus carolinus. Between Tracy and Lathrop I passed an Ardea herodias close beside the railroad track. Saw a few shore birds, among which several Oxyechus vociferus were recognized flying about a pond.

August 23, 1911.
Carmel, California.

Early this morning I noted a Larus hyperboreus with a young one standing [illegible] at the back of our house, which is situated [illegible] from the beach among the pines.

We worked along the beach from the bath house to [illegible] and back. The following birds were noted:

Gulls. One flying over ocean in lagoon of Carmel River.
Loons. Two or three offshore on water.
Larus [illegible]. Three or four adults on beach. Noted one following retreating waves and hastily probing sand with beak.
Larus occidentalis. Several adults and young on beach. Saw one adult on rock offshore with cormorants.
Haematopus niger. A pair on outlying rocks at low tide. Impossible to get on account of intervening water.
Oxyechus vociferus. Four feeding in sand in mouth

of Carmel River. Three in shallow fresh water pond on beach north of bath house. Not calling as in spring.
Aegialitis nivosa. Fairly common.
Aegialitis semipalmatus. Shot ~~one~~ miniature one. Probably ~~one~~ some of small shorebirds seen were of this species.
Calidris arenaria. Shot one.
Heteractitis incanus. Several singly. Shot one.
Heteropagia bairdi. Three. Obtained two.
(Phalaropes, treated by Bertram (Heteractitis incanus)). Several feeding on water near beach.
Ardea herodias. One on kelp well off shore.
Scoters. A few out of range off the beach.
Phalacrocorax. A number one or two rocks off shore. Occasional individual flying.
Chlidonias nigra. Several near San Jose Canyon.
~~Falco~~ Cerchneis sparverius. Two or three.
Colaptes cafer. A couple. One flew up from ground, another from an old barn.
Ceryle alcyon. Two or three about the cliffs. Flying about
Tyrannus vociferans. Several.
Zonotrichia leucophrys. One or two.
Hirundo erythrogaster. A few especially over land about lagoons. Lots of another species of swallow (probably Iridoprocne bicolor) on telephone wires near San Jose Creek.

August 24, 1911.
Carmel, California.

I noticed several Junco hyemalis about the house to-day.

This afternoon I walked down the beach to the Carmel River. Two or [illegible] Egialitis nivosa [illegible] seen, two of which were taken. On the rocks I saw one or two Heteractitis incanus and one adult Larus occidentalis. A pair of ~~Charadrius melanocephalus~~ Tringoides maculatus were flying about, out of range. I saw several Larus heermanni on beach. I saw several more on the fresh water of [illegible]. A flock of [illegible] Pelecanus californicus ~~were circling about~~ came in from the sea and circled about close to the beach, occasionally diving.

In the meadows just north of the lagoon of the Carmel River I saw about a dozen Oxyechus vociferus.

An Ardea herodias and a small grebe were seen in the lagoon just in the shelter of the sand dunes.

August 25, 1911.

Carmel to Aptos, Calif. and return.

We left the house this morning at 6:30. Everything was perfectly still and a rather dense fog clothed the higher portions of the hills. Junco hyemalis was more or less common, and when on the Monterey side of the hill a large flock of Euphagus cyanocephalus left their feeding place in a nearby field and arose noisily. Both Aphelocoma californica and Cyanocitta Stelleri were seen together in the pine trees. Close to Monterey several Passerculus sandwichensis

were also flying rapidly high overhead.

Along the beach from Monterey to above Seaside there were no shore birds whatever. Occasional gulls (Larus occidentalis and Larus heermanni) were met with and in a couple of places quite a congregation of both species. All were very wild and would not allow one to approach within shotgun range. In a small lagoon just inside the beach near Seaside there was one (?) Halaeopus lobatus swimming on the water and six or eight Limosa marmorata. In the sand hills here I saw three or four Aphriza virgata. On the shores of the large lagoon, mainly fresh water there were several Oxyechus vociferus and a few small sandpipers.

On the lake at Del Monte there were a number of Fulica americana. Also Col. Wood had a Melanerpes for icivorus flying among the trees. Saw one or two Sayornis nigricans close to shore no ossral.

August 26, 1911.

Carmel to Davis, Calif. (via Reading and Cantonville).

While on the stage between Carmel and Monterey I saw the usual Junco hyemalis and Otocoris alpestris.

On the train near Cantonville I noted a hawk which looked to be Buteo borealis. I see large hawks quite often but can never be sure of the species.

On the way out from Cantonville to Davis I saw several Zenaidura carolinensis flying. In the fields

road and on the fences Euphagus cyanocephalus was abundant. I saw one 'flycatcher' sp. on the ~~bridge~~ bridge at Moss.

On the way back from Moss to Castroville Euphagus cyanocephalus was abundant; the yellow eye of the male was in marked contrast to the dark eye of the female. A few Carpodacus mexicanus were noted on telephone wires, and flying over a field I saw a Cerchneis sparverius hovering for a minute over one spot, at the same beating its wings continuously.

The following notes were made at Moss Beach:

Loons or grebe. One in mouth of Salinas River along with a lot of old scoters. There were also a few scoters on the water off the beach.

Shearwaters. From 9 A.M. to 3 P.M. there was a continual northward movement just visible from the shore. It was heaviest in the forenoon. At one time a dark swarm of birds could be seen off in the direction of Capitola. Evidently there were fish there and the birds were congregating

Larus heermanni. A few along the beach. Wild.

Sterna antillarum. This beautiful little tern was common on the beach in the afternoon. They were quite easy of approach. Usually half a dozen or more would be together. The young were all able to fly, but the adults were feeding them. An adult would come by calling plaintively and holding a small fish cross-wise in its bill. It would settle near its young one, which would walk up to meet it, taking the fish very eagerly. Then the old bird would fly away again, apparently for more.

None were seen on the bar at the mouth of the Salinas; all were on the beach to the south.

Squatarola helvetica. A fe[redacted] wild. Birds with white bellies and birds with black bellies were both observed. Shot one in transition, although probably all of those that appeared dark in flight were in similar plumage.

AEgialitis nivosa. Fairly common on beach. Chiefly adults. Got one downy young one with wing quills just starting. This bird gave me a very lively chase and I finally had to shoot it. Adults moulting.

AEgialeus semipalmatus. Noted two or three on mud of river near town, also a few sandpipers and larger shore birds.

Calidris arenaria. One or two singly. A flock of thirty or so which were very wild. I was much interested to see them follow the retreating waves and also run before them. They ran and wheeled in unison just like a company of soldiers.

Symphemia semipalmata. Common. In both large and small flocks. Feeding along ocean beach.

Limosa fedoa. One or two with the last species.

Tringa canutus. A flock of about a dozen came wheeling by. Two birds taken appear to be young.

Ardea herodias. Quite a number near mouth of river. Each one seemed to occupy a separate sand dune, so that in looking over the landscape each dune seemed to have a stake on it.

Pelecanus californicus. Seen flying.

August 27, 1911.
Carmel, California.

At beach this evening I saw an adult Larus occidentalis on a rock offshore. Saw two Pelecanus californicus flying.

August 29, 1911.
Carmel, Cal. to south side Point Lobos, Cal.

Went down creek to San Jose Canyon, then followed road across point.

Lophortyx californicus. A few in brush in lower part of Canyon. Shot two young ones.

Larus occidentalis. Several. One flew over us calling incessantly while we were on rocks.

Larus heermanni. A few.

Aegialitis nivosa. Quite common on beaches. Often half a dozen together. All seemed to be adults.

Oxyechus vociferus. Three or four on beach of Canyon of Carmel River and three or four on gravel of San Jose Creek.

Ereunetes pusillus. Shot several on Carmel beach. Saw two or three small flocks of sandpipers, evidently the same species.

Tringoides macularius. Shot one on rocks. Saw two others, one on rocks, one on shore of Carmel River lagoon. Bob up and down like Heteractitis incanus.

Heteractitis incanus. Two or three. Wild.

Phalaropus hyperboreus. One in San Jose Creek. Very tame. Picking food from bottom in shallow water.

Scoters. Several offshore.

Cormorants. As usual on rocks offshore. Species undetermined.

Two or three large hawks or vultures in San Jose Canyon.

Cerchneis sparveria. Shot one on hillside south of San Jose Creek. Had been flying and hovering in air in style described before.
Ceryle alcyon. Two or three in San Jose Canyon. Call as they fly. Wild. Lighting chiefly in trees, also on bank which undoubtedly contained nests as it was well supplied with holes.
Tyrjarchus cinerascens. One on beach.
Sayornis nigricans. Common about beaches and streams.
Junco hyemalis. As usual in pines.
Zonotrichia leucophrys. Several by roadside in open.

At the bridge across San Jose Creek, where a week ago there were a great many swallows on the telephone wires, there were none to-day. But on the old dead brush strewn beside the stream there were eight or ten Sialia mexicana.

August 30, 1911.
Carmel, California.

Noted one or two Cyanocitta stelleri near the house. Calling clamorously. Come to drink from water trough. Junco hyemalis drinks frequently from barrel filled with water and yesterday I saw one trying to take a bath, although it could only get its wings and tail wet. This evening I saw a Dryobates pubescens drinking from the barrel; also tried bathing. Then flew to nearby pine tree and went up trunk tapping it as it went.

August 31, 1911.

Carmel, Cal. to about 20 miles down the coast and return.

The road travels close to the coast all the way south of Point Lobos, occasionally making a detour into some deep gully which is usually spanned with a bridge. In one place only did the road descend to sea level. There I hunted along the rocks, seeing one Heteractitis incanus, one Haematopus niger with a flock of a dozen or twenty Aramus melanocephala. Saw one flock of about half a dozen Arenaria melanocephala. Most of the birds keep on the outer rocks where it is impossible to get them owing to channels in between.

Got one Tringoides macularius which was feeding in a freshwater stream. Shot a Phalaropus hyperboreus which was flying over a ploughed field near the ocean.

In the pines and cypresses the usual land birds were seen: Junco hyemalis, Aphelocoma californica, Colaptes cafer. A good many birds of prey were seen but only [illegible] identified. Two or three Aquila chrysaëtos were recognized without a doubt. And undoubtedly some of the large dark birds seen were Cathartes aura.

Three Zenaidura carolinensis were seen in a field about fifteen miles down the coast. A number of Loxia curvirostra mexicana were seen in the brush near Ocean Home; one was perched on top of brush, remainder on ground.

September 1, 1911.

Carmel, California.

Went along the beach to the river and back again. Absolutely no birds, but cormorants on the rocks. On the beach the following were seen:

Larus heermanni. Common.

Scoters. Two or three on water just outside breakers. Saw one leave beach and work way out through breakers.

Aegialitis nivosa. Two or three.

Aegialeus semipalmatas. Several; these two species together.

Calidris arenaria. Shot one. Saw several sandpipers probably of this species.

Heteropygia bairdi. Shot one.

Limosa fedoa. One.

Tringa [illegible]. Several in pairs.

Cyanocitta stelleri. Heard some calling.

Ardea herodias. One flew up from sand bank near mouth of river.

September 2, 1911.

Carmel, Cal. to south side Point Lobos. (by road.

Along the rocks on the coast south of the point, I saw one Heteractitis incanus.

Ardea herodias. One in Carmel River near bridge.

The usual land birds were seen including a number of Euphagus cyanocephalus near a dairy just south of the river.

September 3, 1911.

Monterey, Calif.

On the beach at Monterey this morning I saw a number of Larus occidentalis and Larus heermanni. There were numbers about the bay calling. Saw a few phalaropes flying from the [illegible] to the bay.

September 3, 1911.
Carmel to Pebble Beach, Cal.

The only birds, aside from Junco hyemalis and Cyanocitta cristata, identified positively were several Larus occidentalis on the beach and water at Pebble Beach.

September 4, 1911.
Carmel, California.

This morning I walked down the shore to the rocks and back.

There were quite a few finches along the beach evidently feeding among debris cast up by the sea. There were the usual cormorants on the rocks offshore, and in the water [illegible] a color and cormorants were seen.

Larus occidentalis. Several.
" heermanni. One.
Arenaria melanocephala. Two near Point Lobos. They were evidently young. Their sexuals organs were very small, and those of the female looked like those of a young bird.
Egialitis [illegible]. A few on beach.
Aegialitis semipalmata. Two or three.
Heteroscelus [illegible]. One
Calidris arenaria. (One or two).

September 6, 1911.
Carmel to Soledad, Calif.

Passed through the Monterey Pine and Cypress region to desolate treeless region to south then into redwoods of the sur country.

Lophortyx californicus. Fairly common. Met group of 4 or 5 once.
Cathartes aura. A few all along.
Hawks. ~~Lots~~ Quite a few. Many hawks all along.
~~Falco sparverius~~ Cerchneis sparveria. Several. One with insects in talons
Speotyto cunicularia. One on barren hills just before
reaching Sur River.
Geococcyx californianus. One along roadside near
Ocean View.
Euphagus mexicanus. One along Mill Creek after leaving Sur.
Junco hyemalis. Noted one in redwood region.
Colaptes cafer. Several. Saw one fly up from bare bank.
Woodpeckers. Probably Melanerpes formicivorus along Rio Sur.
Aphelocoma californica. } In this region.
Xanthocitta stelleri. }
Corvus brachyrhynchos. Quite a number along the Sur
River. Just at dusk I saw numbers flying up the
Sur valley high in the air.
Pipilo fuscus. A few here and there.

September 7, 1911.
Arbolado to Point Sur Lighthouse, Calif.

This morning was beautiful, cold, and clear in the Sur River Canyon. The stage started about 7 A. M. and I arrived at the light station about 10:15 A. M. Along the river and in the redwoods I did not observe many birds — an occasional Ceryle alcyon and quite a number of woodpeckers flying. Both Aphelocoma californica and Xanthocitta stelleri were seen and heard; the latter has a very distinctive call. On the lower part of the canyon I saw several Corvus brachyrhynchos ~~Crows~~ and two Accipiter ~~Hawks~~ in a couple or three instances.

river gravel banks. Two or three Cathartes aura were noted circling about high in the air. Several large hawks were seen and also several ~~Falco~~ Cerchneis sparverias, especially after we left the canyon and were on the brown bare hills. In a cleared field we surprised a large flock of Lophortyx californicus, probably fifty, who headed for cover as we passed. On the bare hills two or three Zenaidura carolinensis were alighting, and an occasional Sayornis nigricans was seen on the fence rails, one especially being noted with an insect in its mouth.

Following the main stage road and keeping near the coast, I came across two or three large flocks of Otocoris alpestris ~~sp~~ dog ~~?~~ on the ocean, also five Oxyechus vociferus.

P.M. Pt. Sur to Lucia and return. Along the rocks.

Heron. One in water; species ?.

Larus occidentalis. Several, both flying and on beach.

Larus heermanni. One.

Arenaria interpres. One. Feeding on rocks!!

Aquatella lunatica. One on beach.

Oxyechus vociferus. A large or more ~~on~~ of ~~them~~ on ocean.

Aegialitis ~~vocif~~ nivosa. Five or six.

Sandpiper. One small sandpiper.

Hummingbird. Noted one flying about ~~the~~ rocks, outlying near mouth of the Sur.

Hawk. One bluish-looking one. Probably Circus hudsonius.

Cormorants. There seem to be a few on all the outlying rocks that project enough above the water.

Phalacrocorax pelagicus. Ten or a dozen were resting singly on little shelves on the face of the cliff on the southeast side of the Point Sur.

Scoters. One or two flocks. Shy, flying on approach. Also saw a flock of about a dozen other ducks. Looked like Dafila acuta.

September 8, 1911.

Pt. Sur to 1 mi. N. of the junction of Little Sur to Idlewild, from there by road to Point Sur Light Station, California.

Point Sur. 8 a.m. Overcast; NW wind. In going down the steps from the house to the road I noted a lot of small sparrows, chiefly Zonotrichia leucophrys. From the road I noted a large northward movement of shearwaters between 1/4 and 1/2 miles off the point; there were also vast flocks on the water. There were the usual cormorants on the rocks on the west side of the point. As I came down from the rock I saw one Larus occidentalis flying about the beach south of the point.

From the beach on the north side of the point at 8:30 A.M. I noted some shearwaters passing quite close to the point. There were a few cormorants flying. A gull which came quite close looked hardly large enough for Larus occidentalis and may have been a Larus californicus; it had a mottled head. About a mile north of Point Sur I saw a number of cormorants and Larus occidentalis on offshore rocks.

In order to avoid an impassable rock I went up a little arroyo a short distance and then along some dry steep and hilly

above the cliffs. Here I noted a few ~~Leo sparverius~~ Cerchneis sparveria, which flew from knoll to knoll, and one Pelospiza cinerea. No other birds were seen in these vast sandhills and cliffs, which I traversed for 1/4 mile.

On the rocks at the south end of the beach at the mouth of the Little Sur River, about 11 A.M. I saw three or four Arenaria melanocephala, but as usual they were on inaccessible rocks. Four or five Oxyechus vociferus were seen in a sandy hollow in the beach close by. One Lagonis nigricans, a species that frequents the beach a good deal, evidently attracted by the numerous flies and other insects. Near the south end of the lagoon of the Little Sur there were 10 or 12 Aegialitis nivosa, exceedingly tame and reluctant to fly. As I proceeded a little further along the west shore of the lagoon I scared up a Ceryle alcyon.

Just north of the Little Sur I shot a Tringoides maculatus on the beach beneath a high cliff. A little further along I saw another flying. They have a very peculiar flight, keeping the wings much decurved and sailing between short, very quick flaps of the wings. Also saw an adult Larus occidentalis standing on an outlying rock. One immature one flying by a little offshore. A Lagonis nigricans was seen flying up a steep bluff with but little vegetation on it.

A bit farther along the beach became very narrow. Here I shot another Tringoides maculatus in moult and still showing spots. Another flew by; also a Heteractitis incanus. The latter flew up when I fired at the sandpiper, and called as it flew. Proceeding along the rocks, which were here loose and not in ledges, I scared up a Heteractitis incanus which I secured in good shape.

An Ardea herodias flew up from a rocky headland a little ways ahead of me, when I was about a mile north of the mouth of the Little Sur. The coast had now become very rocky and hard traveling so I turned to go back. I noted a cormorant on the water close to the rocks.

Lagoon of Little Sur River; 12:30 P.M. Clear as ever, cool. There were quite a number of black birds on driftwood out in the lagoon, the word being at hand. Five or six Oxyechus vociferus occupied a marshy meadow just north of the lagoon. Looks me.

I walked along the north side of the river in the alders and willows. There were lots of small birds — finches, etc., but I recognized nothing positively. Along the banks of the river, which at this season are dried and cracked and grassy, I came on to another flock of six or eight Oxyechus vociferus. A Belted Kingfisher came by calling in the usual manner. As I went up stream I encountered more Oxyechus vociferus. Of course they were in the bare gravel and sand. They have the habit of bobbing the fore part of the body up and down when watching a person just after alighting. They call quite a bit as they fly and take flight.

Proceeding up the river in the wooded portion, I saw a couple of Cathartes aura (?) sailing high above the mountains. In a little sandy beach I came across a pair of Lophortyx californicus and their young; all, however, got into the brush before I had a good opportunity to shoot. A little ways above I heard a Belted Kingfisher calling just after I shot, and saw it alighting on the limb of a tree over the river.

When quite a ways up the river near Jackson's place an Ardea herodias flew up from the water, going up stream. It was the first

I again started an Ardea herodias. A little beyond Schwend's and near the ford where the stage crossed I saw a Colaptes cafer in the trees and heard it calling. A couple days alighted in a nearby tree and the Colaptes cafer drove it out.

Just before reaching Dillwild I came on another couple days. They seem to have a habit of raising the crest when alarmed. While trying to stalk the kingfisher I heard a jay scolding overhead in a tall redwood, but I could not see him. His other calls were also in the redwoods. After getting pretty high up in the cleared land I encountered a noisy flock of Aphelocoma californica. A few small finches were seen in the brush near up to the shack-house, also a couple of Cathartes aura. At the ranch-house I took the road to the lighthouse, a distance of three or four miles devoid of trees. On the bare grassy hills close to the ranch-house I saw quite a number of Sturnella magna and a pair of Euphagus cyanocephalus. Got one in moult.

Quite a bit closer down towards the coast I came across a small band of Lophortyx californicus on a culvert and in a dry creek bottom. Got a male in moult. Close by two or three ~~Cerdyllis~~ sparrowhawks in flight were seen; alighting on bushes on steep hillside. The ground flew up into a steep brushy hillside and twice when I passed a certain spot a cock rabbit each time would bound away in a bee-line direction.

Still further down this little canyon I startled a flock of Sturnella magna from a steep grassy hillside. Also saw a swallow, species?. Near a Swiss dairy at the end of the hilly part of the creek I saw a few Sturnella magna and a Cathartes aura sailing low over a field. On a wind-swept grassy plain near the coast I ran on to the same big flock of Otocoris alpestris I saw yesterday. They would fly so strongly that they were crouching in the grass. One Oxyechus

vociferus on the eastern edge of the bay and flat extending [illegible]
and the adjacent coast [illegible]. I counted seven Phalaropus
fulicarius swimming on still water and lodged on the cliff on the
northeast side of the Point. Going up the road on the Point saw
one Zonotrichia leucophrys. The flight of shearwaters mentioned
was still in progress.

September 9, 1911.

Point Sur, Monterey Co., California.

This morning I noted two or three Larus occidentalis mexicanus
outside my rock room window. Saw a male and female together.
About three o'clock this afternoon I took a walk down the
beach about a mile with Mr. Astrom. The following is what
we saw and obtained.

Larus occidentalis. Several. Offshore I saw a large flock of
birds circling, which may have been either gulls or shearwaters.

Ammodramus sandwichensis. One on sand beach.

Arenaria melanocephala. Quite a few along on rocks, but
usually inaccessible.

Oxyechus vociferus. A dozen or so together.

Pisobia maculata. One on beach, [illegible]

Ardea herodias. Stood up two.

Numenius [illegible]. One on rocks offshore.

Phalaropus fulicarius. 36 resting on cliff this evening.
I was a little later [illegible] which probably
accounts for larger numbers.

Cathartes aura. One flying. Took two which were feeding
on a very ancient remains of a cow or calf. We were able to
approach them very close under cover, without them being aware. They
standing on remains and pulling upward when eating.

September 10, 1911.

Point Sur to Molera's ranch on Sur River, Monterey Co., Cal.

We went down by the beach nearly to the Sur River, then we cut across a point of land and went up the north bank of the river. It was clear all day to-day.

We started about nine o'clock. Near the point after getting down on the sand, I noted a cormorant in the water and a hummingbird flying over the sand. A little ways down in front of some sand hills we ran across half a dozen Oxyechus vociferus. I shot at them brought up seven Cathartes aura from a nearby gully. With other birds already in the air, there were dozen of these big black fellows sailing about at one time. West off the False Sur a flock of two dozen Pelecanus californicus came by flying north; they were nearly all abreast. Nine cormorants were seen flying northward close to the water. Two Larus occidentalis also wing.

We went around behind the False Sur on account of the high tide. There I saw a few small birds and one Corchneis sparverius. There were lots of cormorants on the rocks on the south side of the False Sur. We scared up an Ardea herodias from the same spot as yesterday afternoon. There were one or two immature Larus occidentalis flying.

Still farther down the beach we ran on to several gulls on a point; they proved quite wary and flew before we got within gunshot range. A little beyond we met several Otocoris rubea. In crossing over a brushy point from the beach to the Sur River, I saw one good-sized hawk and quite a number of Euphagus cyanocephalus in the lupine and other brush. Going up the north side of the Sur, which is the same in character as the little Sur, we came across several Oxyechus vociferus on the gras

banks and one Phalaropus hyperboreus in a small stream. This part of the river bed consists of gravel, sand, and meadowy land with little patches and streams of water as usual near river mouth.

A little ways up the stream we saw quite a few ~~Chaetura vauxi~~ Aeronautes melanoleucus, an occasional Tachycineta thalassina, one Colaptes cafer calling, and several white-bellied swallows. Quite a few Corvus brachyrhynchus were heard and I saw a big flock rise from the brush upon the south side of the river where we fired. A few were flying over high up. Calling caw-caw-caw quite often. A few small finches, etc. in the willows. There were quite a number of ~~Chaetura vauxi~~ Aeronautes melanoleucus and swallows hawking over the river and banks for insects.

Further up there it became more wooded. I saw one Lepus nigricans, a black-tailed hare. We went up to Mohera's ranch. On the return we came across a flock of Lophortyx californicus in some willows and also saw another ~~Chaetura vauxi~~ Aeronautes melanoleucus and one Pipilo fuscus, the latter in the brush, the former flying. The swifts were extremely hard to shoot on account of their erratic flight.

Going across the grassy, gently-sloping plains towards the lighthouse, I saw one or two large flocks of Otocoris alpestris; also an occasional Sturnella magna. In a canyon cut into the plain and containing a few willows and a little stream, we saw several Oxyechus vociferus and one Ereunetes occidentalis near the ocean. On the beach near the big sand flat, lying east of Point Sur, we came across three or four Oxyechus vociferus, which flew up on to the barren sand flat where one was shot. Occasional Cathartes aura were seen all the way along. In the tupine bushes near the False Sur I noted one or two Zonotrichia leucophrys. On a small rock close to the beach near the sand flat I saw an adult Larus occidentalis.

It was about 2:00 P.M. when we reached the base of Point Sur, and there were no Phalacrocorax pelagicus at the roosting place yet.

The two Cathartes aura taken ~~on~~ the 9th both proved to be excessively fat young males with very small sexual organs.

September 11, 1911. While skinning birds to-day I noted one or two Carpodacus

September 13, 1911.

Point Sur to Cooper's Point, Monterey Co., California.

Started about 8:30 A.M. and returned about 5:30 P.M. I went down the beach to within about half a mile of the Sur River, where I cut across country so as to ford the river above the lagoon. Coming back I followed the beaches all the way crossing the river at its mouth.

Coming down the road to the sand flat, I noted the usual bunch of cormorants on a rock on the west side of the point. One or two Zonotrichia leucophrys were seen in the lupine and some were heard singing. At the base of the point I saw one Larus occidentalis flying.

Proceeding south along the beach I noted occasional Larus occidentalis on outlying rocks and flying. One Ardea herodias was standing in floating kelp well offshore. I noted a small finch flying along the water's edge. As I was going along the beach I scared up three Oidemia perspicillata, which flew out a short ways; they were not in large feathers. One or two cormorants swimming in kelp and flying.

A little farther down the beach, towards False Sur I saw three Oidemia perspicillata in the water close to shore; also two or three Larus occidentalis flying. Along the edge of the cliff two hawks flying, one a Cerchneis sparverius. In a little brushy canyon a few yards from the beach I saw some finches; a Zonotrichia leucophrys recognized.

Just north of False Sur I saw four Pelecanus californicus flying northward low down just outside the surf. Quite a few cormorants on high offshore rocks. Two or three Larus occidentalis flying. No shore birds thus far, to False Sur.

In passing around the rocky ocean side of False Sur I noted a Sayornis nigricans in a little cove in the cliffs; offshore Larus occidentalis and cormorants. All the higher rocks have cormorants on them and I shall mention them no farther. Most of these rocks are white on top owing to guano. Another Sayornis nigricans a little farther on. No rock shore birds or other shore birds either. Tide flooding. Low late in afternoon.

Down the beach from the False Sur I came across a dozen or more Oxyechus vociferus well back on the beach among the driftwood; they are becoming very wary now and usually fly before I get within range. Offshore I saw one Oidemia perspicillata, cormorants and Larus occidentalis (both adult and immature).

A little farther down I met more Oxyechus vociferus and half a dozen AEgialitis nivosa together. Near a small lagoon much frequented by cattle, I saw one Euphagus cyanocephalus and AEgialitis nivosa. Just below the lagoon one or two more Oxyechus vociferus and AEgialitis nivosa seen. Two fine Aquila chrysaëtos sailed about for a few minutes. One seemed to be chasing the other for a moment, for it made as if to pounce on him in midair. Finally both disappeared. I cut across the low rolling hills towards the Eel River and came across a flock of two dozen or so Euphagus cyanocephalus in the grass and very low brush.

On the north side of the river above the lagoon there were many land birds in the trees and on old driftwood. Recognized: Euphagus cyanocephalus, Zenaida mexicana, and Corvus brachyrhynchos. One or two distant Aquila chrysaëtos. Ten or twelve large birds of prey in sight high in air up valley; they may have been Cathartes aura of which I had seen none for a certainty thus far. Some of the Corvus brachyrhynchos were standing on the sand and gravel banks near the stream; occasionally a passing bird would give the characteristic call.

On the gravel and sand banks of the river bed I ran across quite a few Oxyechus vociferus and three or four small sandpipers with them. On the south side of the river I saw several Agronautes melanoleucus ~~Chaetura vauxi~~ flying high over a clump of willow trees. An occasional Corvus brachyrhynchos was seen flying. At the south end of the Eel River lagoon I saw a couple of Euphagus cyanocephalus. Proceeded south along beach for mile or so to where a rocky point sticks out and blocks the way at high tide, so that I had to clamber over. Here I saw a Heteractitis incanus. Coming down the beach to this point I saw two hawks of different species and one Ardea herodias.

I went on down the beach to Cooper's Point. An occasional Oidemia perspicillata was seen on the water and one scoter flying. Thousands of shearwaters moving north past the point. Several adult and immature Larus occidentalis flew past the point while I was there. A Sayornis nigricans was noted while coming down the beach.

At Cooper's Point I watched the flight of shearwaters which seemed endless. Even now as I write a mile or two up the beach I can still see them offshore working northward. Going up the beach to the Sur River, I saw two or three Sayornis nigricans, an occasional cormorant, a ~~Wandering~~ Heteractitis incanus at the same place I saw one going down, quite a few Larus occidentalis, and one Larus californicus with the mottled head of the winter plumage. All of the gulls were seen flying, only one being seen on the beach. North of the rocky point I had to climb over I found three Calidris arenaria right at the water's edge. The Heteractitis incanus I surprised alighted on the sand beach for a minute and then flew back to the rocks.

At the mouth of the Sur I came across a Tringoides macularius, and I also saw several scoters on the water just outside the surf. While on top of Cooper's Point a Cathartes aura flew low by overhead; the skin of its head appeared red and I presume it was an adult.

Near a lagoon about ½ mile north of the Sur River I saw quite a few Oxyechus vociferus and four or five AEgialitis nivosa. Four sandpipers appeared on the scene together and one proved to be Limonites minutilla and the others to be Ereunetes pusillus. While I was sitting on a log at the lagoon a Cathartes aura came by and a flock of thirty or more Otocoris alpestris alighted on the shores and sandbars evidently to drink.

Coming up the beach I met eight or ten more Oxyechus vociferus high up on the beach among the driftwood; they were very wild. Still farther along I saw an occasional gull and encountered a rock bird which got away so quickly I was not sure what it was. On the beach just south of the Palos Sur, I obtained two Arenaria melanocephala which had been feeding on fly pupae and small crustaceans which they evidently obtained from the masses of kelp seaweed which are covered with myriads of flies. Saw two more Arenaria melanocephala alight on a rock. Low tide now. An Urdea herodias flew up from the usual spot at the base of the cliff. Between Palos Sur and Pt. Sur I saw an occasional scoter, cormorant, and Larus occidentalis. Five Palos ~~occur~~ pelagicus were roosting on the face of the cliff, but all left as I approached.

September 13, 1911.
Point Sur to Little Sur River, California.

Went over to the river by the old stage road and returned the same way, making a detour up the coast above the sand flat. Time: P.M. Wind; clear.

This morning saw two or three Campylorhynchus brunneicapillus near the work room. Going down the road on the point I saw the usual Sonotrichia leucophrys.

On the northeast part of the sand flat at the edge of the bushes I came across three Melospiza cinerea. They were not quite as wild as those to the south.

Went over the old stage road to the beach of the little Sur. Saw quite a few small finches in the brush both going and coming — Sonotrichia leucophrys recognized. Two or three Larus were seen; one a Larus glaucescens, ~~the~~ another a Larus about the size of Larus heermanni with a white rump band. A cormorant was resting on the south end of the beach, but flew upon approach. I saw an adult Larus occidentalis flying. Back on the broad beach amongst the driftwood were lots of Aegialitis nivosa scattered about; there must have been 25 or 30. They were running about and in one case I saw one pursuing another. They made no noise that I could hear. They seem to prefer the dry beaches beyond the reach of the ordinary tides. Near the rock at the mouth of the lagoon I came across a Tringoides macularius.

On the little stretch of rock-strewn coast just north of the sand flat I encountered another Tringoides macularius which was very wild and kept continually ahead of me. This seems to be quite a rock-loving species too. Two or a dozen Arenaria melanocephala were encountered, three of which I obtained. They were not particularly wild, but finally took to some outlying rocks.

Of the nineteen Aegialitis nivosa taken, only two were males. Moulting

September 14, 1911.
Point Sur, California.

About 4 o'clock this afternoon I went up the beach and along the accessible part of the rock-strewn coast where yesterday I saw the Arenaria

melanocephala; to-day not a one was seen.

Along the beach ~~under~~ I drew on to a flock of about thirty or more Calidris arenaria which were running together in front of the advancing and receating waves. Back of the beach a little ways several Aegialitis nivosa were encountered. On the beach near the northeast corner of the sand point I encountered an Oxyechus vociferus.

On the point itself I noted Carpodacus mexicanus and Zonotrichia leucophrys as usual.

September 15, 1911.
Point Sur, Calif.

This morning early I went up the coast to the same rocky [illegible]. The following species were observed.

Ereunetes mauri. A dozen or twenty on the rocks. Shot three. Some call first as they take wing.

Aegialitis [illegible]. Three or four on sand.

Calidris [illegible].

Aquila chrysaëtos. One flying along above cliffs.

[illegible]. Two flying about the cliffs.

[illegible]. Two on beach below cliffs.

[illegible] flying and quite a few small finches on point itself.

September 16, 1911.
Point Sur, California. Strong NW wind. Flying difficult for birds.

This morning I went up the beach to the rocky [illegible] to the northward. Not as many Ereunetes mauri as seem.

Larus occidentalis. 10 or a dozen adults and immatures. Flying.

Larus californicus. One adult and one immature. Flying.

Tringoides macularius. One on beach. Eating flies mass of seaweed.
Crocethes inornatus. Four together on beach among masses of seaweed.
Aegialitis nivosa. Three or four on sandy.
Charadrius hyperboreus. One on beach. Flew when approached and alighted further down the beach.
Cormorants. On outlying rocks in numbers, and flying.
Hawk. A small hawk over Coast Survey station wharf.

This afternoon I went over to the little bay on the old stage road. Along the rocky coast just south of the high point that marks the end of the little bay beach there was a flock of Arenaria melanocephala - five or six together. They were observed not only on the rocks but on a small black-sand beach and on a great mass of seaweed which was piled up on the shore many feet deep in one place.

On the beach of the little bay I saw two Aegialitis nivosa. They seemed a little wilder than most birds and soon stayed down on the deep beach instead of flew back amongst the driftwood.

Several Lophortyx californicus were observed in the lupins on the hillsides near the sand flat. Two or three bands of various sizes were seen along the old road, and also the usual Corvidae, of which Corvus brachyrhynchos hesperis was recognized. On Point Lobos I saw the native Zonotrichia leucophrys, and a Sayornis nigra on the road. On the grassy flat just on the northeast side of the sandy bay-point a flock of Otocoris alpestris.

September 11, 1911.

At Point Lobos I saw several Zonotrichia leucophrys and

Cathodacus mexicanus; also a Dafila acuta on top of one of the houses. Three or four Larus seen.

This afternoon I went up the beach to the northward. No rock birds seen.

Limonites minutilla. One.

Aegialitis nivosa. One.

Oxyechus vociferus. Half a dozen.

Lophortyx californicus. Heard some calling in lupine on hillside.

Zonotrichia leucophrys. Quite a few in brush.

There were hundreds of Shearwaters flying about in the big bight formed by Point Sur at the south and a high promontory above the little Sur River at the north. Evidently they were fishing; some were quite close to the lines of breakers.

September 18, 1911.

Point Sur to mouth of Sur River, California. P. M. Warm; light southerly wind.

Cinclus mexicanus in the brook - Zonotrichia leucophrys.

Hawks. Four or five during day. Flying around point to chicken yard.

Cathartes aura. Several flying.

Corvus sp. Several. Flock of several hundred ravens beginning to go to roost when I returned at 5:15.

Scoters. Two small bands on water.

Larus occidentalis. Several adult and young.

Tern. One on beach. Size of Sterna forsteri.

Arenaria melanocephala. Two on beach on south side of False Sur.

Ardea herodias. One or two standing in half way offshore.

Oxyechus vociferus. Two or three flocks, 15 or 20 in each. As many as 20 in one.

Egialitis nivosa. Wolfe Logan.

Charadrius mexicanus. Two or three more seen.

Totanus macularius. One.

Shearwaters. Great numbers on wing and circling about just a little south of point. Finally all passed northward passing close by point. All looked to be dusky-backed.

September 19, 1911.

Point Sur, California. Overcast; rain; very little wind.

This morning I went up the beach into the bight to the northward. Saw just three shore birds: One Egialitis nivosa, one immature Egialitis semipalmatus, and a wounded Oxyechus vociferus. Saw a Zonotrichia nigricans on rocky point and also one about houses on point itself.

From Point Sur Surf Scoter are in two large bunches and as many Cathartes aura, while this morning three Pelecanus californicus passed by on the nearest rocks.

September 20, 1911.

Point Sur, California. Overcast; very little wind.

I went up the beach into the rocky bight to the northward between 11 and 12 this morning. Saw just one shore bird — an Arenaria melanocephala flying to an outlying rock. The usual cormorants were seen on the rocks and also one Larus occidentalis, also a distant soaring hawk or vulture. There was a straggling movement of shearwaters northward, east of Point Sur, the birds passing close by the western extremity of the point.

September 20, 1911.

Point near Point Reyes, California. P. M. Overcast; warm; no wind to speak of.

Loons. One flying northward.

Shearwaters. Moving northward offshore in straggling fashion.

Larus occidentalis. In usual. Adults and young. Flying, standing on rocks, standing on floating kelp. Some calling at evening at Point.

Larus californicus. One adult with mottled head & winter garb.

Cremnia melanocephala. Several. Chiefly on rocks. One on beach.

Oxyechus vociferus. Two or three flocks of 10 or 12 on dry beach and about fresh water.

Aegialitis nivosa. Four or five. This species, the Killdeer, and Aegialitis semipalmata will have the habit of ~~lifting~~ bobbing the front part of the body with head very erect, when watching a person intently.

Numenius hudsonicus. One. Alighted at small fresh-water lagoon.

Limosa fedoa. Two or three. Beside the largest numbering about 15.

Ereunetes pusillus. Shot one at freshwater lagoon.

Limnites [illegible]. Shot one at freshwater lagoon. Saw ~~three~~ 3 or 4 The small sandpipers might have been either species.

Tringa bairdii. Three or four. Here and there on floating kelp well offshore.

Cormorants. In usual.

Phalacrocorax pelagicus. They were going to roost this evening as I came home – 5:30. Sun had not yet set.

Pisobia californicus. One near Tule Inn-flying. Flock of 6 flying in the ~~east~~ west mouth of Inn. Afterwards a few stragglers all going in the same direction.

Hawks. A Buteo sparverius on wood on Point Sur itself. Distant large hawks.

Lagonis rigricaus. Above this as usual.

Otocoris alpestris. A flock of twenty or so on edge of tamarisk freshwater lagoon.

Zonotrichia leucophrys. As usual on Point Sur.

September 21, 1911.

Point Sur to 1 mile north of Little Sur River, California. 7 A.M. Overcast; slight drizzle; moderate temperature. In going up we cut across the sandflat and then went over the old stage road and hills coming down on the south side of the lagoon. In returning we were at sea level all the way except when crossing the top of the promontory at the south end of the Little Sur beach. Low tide.

Shearwaters. Quite a number offshore. All seemed to be moving southward.

Sterna macrura. One on Little Sur beach.

Larus occidentalis. As usual.

Not a single shore bird on Little Sur Beach or on beach above Point Sur.

Arenaria melanocephala. Four on rocks covered with seaweed 1/4 mile north of Little Sur. On a rocky point just south of the small promontory at the south end of the beach of Little Sur I saw a flock of perhaps a dozen birds which were quite tame. Very often when seen these birds will be standing in dejected attitude doing nothing.

Lirugordes maculosus. Two or three.

Heteractitis incanus. Three or four. Two on seaward side of rock at mouth of Little Sur. Were in big surf and flew about wildly passing in and out of a small natural arch.

Not a single Megalestris skua where there have been many certain other times.

Ardea herodias. One or two along rocky shore.
Ducks. When near Point Sur in the evening a flock of about 15 ducks passed over going north. They all appeared to be Dafila acuta with the exception of a teal.
Cormorants. As usual.
Hawks. Quite a few Cerchneis sparveria. One or two dark-colored hawks with white rump band [Circus hudsonius] and other large hawks.
Zonotrichia leucophrys, Sayornis nigricans, as usual.

September 22, 1911.
Point Sur, California.

The afternoon proved to fine and sunny with the sea almost like glass. The usual cormorants were seen from the heights, but there appeared to be no shearwaters moving whatever.

September 23, 1911.
Point Sur to Monterey, California.

Started about 7 A. M. and walked from the light station to the schoolhouse on the stage road. In the lower grassy country on the east side of the sandflat, I saw a good-sized flock of Sturnella magna, three or four Lepus sericeus, two or three small flocks of Plectrophenax nivalis, one Sayornis nigricans, and several Zonotrichia leucophrys. I heard this last bird singing. After getting into the rocky canyon higher up above the dairy, I saw two or three Sayornis saya, one Zenaidura carolinensis, and occasional Cerchneis sparveria. At the schoolhouse about 9 A. M., I noted one or two Sayornis nigricans on the fence posts. While waiting for the stage a flock of seven Icteria mexicana

alighted on the fence with considerable twittering and then some of them flew down into the stubble of the field. Quite a few Corvus brachyrhynchos passed over high up; they came straggling up from the south, some were calling.

From there on to the Carmel River Euchmois sparverioides was seen along the line on the barren parts of the road. Occasional Aquila chrysaetos were seen, and near the top of the hill just north of Elk, I saw two fighting in the air, seizing each other's talons, once becoming almost upside down. On the steep hill just north of Idlewild I noted a covey of Lophortyx californicus running among the bushes. On the south side of the Carmel River I saw ten or a dozen Corvus brachyrhynchos; they sat on fence posts until I passed and were much tamer than the Sur River birds.

A male Branta nigricans taken at Tomales Bay, Cal., December 25, showed that renewal of the body plumage was still in progress. It was evidently the last of a moult, rather than the beginning of one. The presence of growing feathers was ascertained by skinning the specimen, No. E. A.S.

Aechmophorus occidentalis, 15, 17, 18.
Aegialeus semipalmatus, 26, 27, 28, 29, 30, 31, 32, 33, 45, 49, 53, 54, 71, 72.
Aegialitis nivosa, 26, 27, 45, 46, 49, 50, 53, 54, 56, 58, 62, 65, 66, 67, 68, 69, 70, 71, 72, 73.
Aeronautes melanoleucus, 63, 65.
Agelaius phoeniceus, 29, 31.
Anas boscas, 1.
Anthus pensilvanicus, 14, 22.
Aphelocoma californica, 46, 47, 52, 55, 60.
Aquila chrysaëtos, 1, 52, 65, 68, 75.
Ardea herodias, 4, 8, 14, 26, 28, 29, 30, 31, 32, 43, 44, 45, 46, 49, 53, 55, 59, 60, 61, 62, 64, 65, 66, 70, 72, 74
Arenaria interpres, 26, 29, 30, 32, 56, 61.
Arenaria melanocephala, 42, 52, 54, 58, 61, 66, 67, 68, 69, 70, 71, 72, 73.
Auklet, 40.
Blackbird, 59.
Branta nigricans, 75.
Buteo borealis, 47.
Calidris arenaria, 26, 27, 30, 32, 33, 45, 49, 53, 54, 66, 68, 71, 72.
Carpodacus mexicanus, 40, 41, 48, 61, 63, 67, 68, 70.
Cathartes aura, 43, 45, 52, 55, 56, 59, 60, 61, 62, 63, 65, 66, 70, 71.
Cerchneis sparveria, 43, 44, 45, 48, 51, 55, 56, 58, 60, 62, 64, 67, 68, 73, 74, 75.
Ceryle alcyon, 22, 45, 51, 55, 58, 59, 60.
Chaulelasmus streperus, 1.
Chen hyperboreus, 23.
Cinclus mexicanus, 55,
Circus hudsonius, 56, 67, 74.
Clangula albeola, 1.
Clangula clangula, 20, 27.
Colaptes cafer, 45, 52, 55, 60, 63.
Colymbus pacificus, 23,
Colymbus septentrionalis, 6.
Conurus holochlorus, 38.
Cormorant, 7, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 30, 34, 39, 44, 50, 53, 54, 57, 59, 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 72, 74.
Corvus brachyrhynchus, 43, 55, 63, 65, 75.
Curlew, 21, 23, 27.
Cyanocitta stelleri, 46, 51, 53, 54, 55.
Dafila acuta, 57, 74.
Diomedea nigripes, 34.
Dryobates pubescens, 51.
Duck, 1, 2, 4, 5, 6, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 27, 29, 31, 32, 57, 74.
Duck, Scaup, 17, 28.
Ereunetes pusillus, 26, 28, 29, 30, 31, 32, 50, 66, 72.
Erimatura jamaicensis, 1, 20.
Euphagus cyanocephalus, 26, 46, 48, 53, 60, 62, 65.

Finch, 54, 59, 60, 63, 64, 67, 68, 69.
Fulica americana, 1, 20, 47.
Fuligula, 21.
Fuligula affinis, 1.
Fuligula marila, 1, 28, 30.
Geococcyx californianus, 55.
Gerspiza crassirostris, 29.
Grebe, 8, 10, 12, 14, 15, 21, 44, 46, 48.
Guillemot, Pigeon, 40.
Gull, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 26, 28, 30, 34, 37, 39, 42, 47, 57, 61, 62, 66.
Haematopus niger, 44, 52.
Hawk, 10, 44, 47, 50, 55, 56, 62, 64, 65, 67, 69, 70, 71, 73, 74.
Heteractitis incanus, 26, 32, 45, 46, 50, 52, 53, 58, 65, 66, 73.
Heteroscyria bairdi, 45, 53, 54.
Hirundo erythrogaster, 27, 32, 36, 45.
Hummingbird, 56, 62.
Iridoprocne bicolor, 45.
Jay, 60.
Junco hyemalis, 44, 46, 47, 51, 52, 53, 54, 55.
Killdeer, 72.
Kingfisher, 60.
Larus argentatus, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15.
Larus californicus, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 57, 66, 68, 72.
Larus delawarensis, 28.
Larus glaucescens, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 27.
Larus heermanni, 33, 34, 44, 46, 47, 48, 50, 53, 54, 56,
Larus occidentalis, 5, 15, 23, 33, 34, 35, 37, 39, 40, 41, 42, 44, 46, 47, 49, 50, 53, 54, 56, 57, 58, 61, 62, 63, 64, 65, 66, 67, 68, 70, 71, 72, 73.
Larus philadelphia, 24, 26, 27, 28, 30, 31, 33.
Limonites minutilla, 47, 66, 70, 72.
Limosa fedoa, 23, 28, 30, 31, 49, 53.
Loon, 4, 5, 7, 17, 19, 23, 44, 48, 56, 72.
Lophortyx californicus, 50, 52, 55, 56, 59, 60, 63, 69, 70, 75.
Lunda cirrhata, 34, 35, 37, 38, 40, 41, 42.
Macrorhamphus griseus, 22, 24, 25, 26, 28, 29, 30, 31, 32.
Mareca americana, 1.
Melanerpes formicivorus, 47, 55.
Melospiza cinerea, 24, 26, 29, 31, 32, 58.
Merula migratoria, 70.
Murre, 39.
Myiarchus cinerascens, 51.
Numenius hudsonicus, 21, 23, 24, 25, 26, 27, 29, 30, 31, 32, 72.
Nycticorax nycticorax, 19, 21, 26, 28, 29, 30, 31, 43.

Oceanodroma homochroa, 35, 36, 38, 41, 42.
Oceanodroma leucorrhoa, 35, 42.
Œdemia deglandi, 2, 5, 8, 12, 13, 15, 16, 17, 27, 28, 32, 33.
Œdemia perspicillata, 3, 7, 13, 18, 25, 32, 64, 65.
Otocorys alpestris, 56, 60, 63, 66, 69, 73, 74.
Oxyechus vociferus, 44, 46, 47, 50, 56, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 74.
Parrot, 38.
Passer domesticus, 32, 48.
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